DOCUMENT RESUME

ED 468 824 SE 066 821

AUTHOR	Hill, Susan T.
TITLE	Science and Engineering Degrees, by Race/Ethnicity of Recipients: 1991-2000. Detailed Statistical Tables.
INSTITUTION	National Science Foundation, Arlington, VA. Div. of Science Resources Statistics.
REPORT NO	NSF-02-329
PUB DATE	2002-08-00
NOTE	111p.
AVAILABLE FROM	National Science Foundation, Div. of Science Resources Statistics, 4201 Wilson Blvd., Suite 965, Arlington, VA 22230. Tel: 301-947-2722; Fax: 703-292-9092; e-mail: paperpubs@nsf.gov. For full text: http://www.nsf.gov/sbe/srs/stats.htm.
PUB TYPE	Numerical/Quantitative Data (110) -- Reports - Descriptive (141)
EDRS PRICE	EDRS Price MF01/PC05 Plus Postage.
DESCRIPTORS	*Bachelors Degrees; *Doctoral Degrees; Engineering; *Ethnicity; Higher Education; *Masters Degrees; Sciences; Tables (Data)

ABSTRACT

This document presents statistical information on earned degrees in the United States from 1991-2000 based on race and ethnicity data obtained from two surveys, bachelor's and master's degree data from the U.S. Department of Education's Integrated Postsecondary Education Data System (IPEDS) Completions Survey and doctoral degree data from the Survey of Earned Doctorates (SED). Contents include general notes, technical notes, detailed statistical tables, and program classifications. (YDS)

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Science and Engineering Degrees, by Race/Ethnicity of Recipients:

1991–2000

Detailed Statistical Tables

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Division of Science Resources Statistics
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National Science Foundation

August 2002

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Susan T. Hill, Author

Division of Science Resources Statistics
Directorate for Social, Behavioral, and Economic Sciences

National Science Foundation

August 2002

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Suggested Citation
National Science Foundation, Division of Science Resources Statistics, *Science and Engineering Degrees, by Race/Ethnicity of Recipients: 1991-2000,* NSF 02-329, Author, Susan T. Hill (Arlington, VA 2002).

August 2002

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ACKNOWLEDGMENTS

The preparation of *Science and Engineering Degrees, by Race/Ethnicity of Recipients: 1991–2000,* was overseen by Susan T. Hill, Director, Doctorate Data Project, National Science Foundation (NSF), Division of Science Resources Statistics (SRS), Human Resources Statistics Program (HRS), under the overall direction of Mary J. Golladay, Program Director, NSF, SRS, HRS, and Mary J. Frase, Deputy Division Director, NSF, SRS, with guidance and review by Lynda T. Carlson, Director, NSF, SRS. Tanya R. Gore and Rolfe Larson of the Information and Technology Services Program (ITSP) of SRS provided editing, processing, and final composition for this report. John R. Gawalt, Program Director of the ITSP, and his Web team handled electronic publication. QRC Division of Macro International Inc. of Bethesda, MD, prepared the tables and report copy for printing under NSF contract number SRS-97-32130. QRC staff members who worked on this project were Teresa L. Grimes, Elizabeth H. Peto, Joseph E. Andorful, Mark Morgan, and Joe Singh.

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General Notes

This publication is based on data obtained from two surveys. Bachelor's and master's degree data were collected by the National Center for Education Statistics, U.S. Department of Education, from all accredited institutions of higher education. Data on doctorates are from the Survey of Earned Doctorates, a universe survey of individual doctorate recipients that is sponsored by the National Science Foundation (NSF) and five other Federal agencies in 2000.

These data cover earned degrees conferred in the aggregate United States, which includes the 50 states, the District of Columbia, and the U.S. territories and outlying areas (American Samoa, the former Canal Zone, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Trust Territory of the Pacific Islands). Degree data are compiled for a 12-month period, July of one year through June of the following year. For convenience, degrees for such a given 12-month period will be referred to by the year in which the period ended, e.g., 1998 means the 12 month period ending June 1998.

Because racial/ethnic data were collected by broad fields of study only (until 1995), the definition of science and engineering used by NSF for this trend report must include fields normally not included. One instance where this difference has a large impact is the broad field of "social sciences." The U.S. Department of Education includes the field of history in this broad category, so when it collected the racial/ ethnic data up until 1995, this field was included in the social sciences and comprised 20–23 percent of the category for bachelor's and master's degree data.

If the reader is interested in earlier data for science fields, please request *Science and Engineering Degrees, by Race/Ethnicity of Recipients: 1977–91,* NSF 94-306. Please note, however, that before 1985, the broad category of "engineering" included engineering technologies. This report excludes engineering technologies so that trend data by race/ethnicity are more consistent with the definition of science and engineering used in other NSF reports. However, the reader can use tables 31 and 32 to add in these data so as to correspond to the earlier report (NSF 94-306).

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Section A.

Technical Notes

INTRODUCTION

This report is based on final data from two Federal surveys. The first is the U.S. Department of Education's Completions Survey conducted annually by the National Center for Education Statistics (NCES) as part of the Integrated Postsecondary Education Data System (IPEDS). The second is the Survey of Earned Doctorates, conducted annually for the National Science Foundation (NSF) and other Federal agencies (five between 1997 and 2000). Each source is described in more detail in the following sections.

Data from the Completions Survey were used to report the number of bachelor's and master's degrees. The data on doctoral degrees in this report were derived from the Survey of Earned Doctorates, which surveyed all individuals earning research doctorates, rather than from the Completions Survey, which surveyed the institutions awarding the doctorates. The Survey of Earned Doctorate data were preferred because the data provided by individuals are more specific with respect to the field of specialization and are less likely to contain errors in data reporting and data entry than are the aggregate data provided by institutions. Furthermore, doctorate data provide 100 percent coverage for data by field and sex of individual recipients, whereas institutional data are subject to imputation for nonresponse. For a comparison of reporting on doctoral degrees in the Completions Survey and the Survey of Earned Doctorates, see National Science Foundation, *Science and Engineering Doctorates: 1960–91*, NSF 93-301, Detailed Statistical Tables (Washington, DC, 1993).

In this report the race/ethnicity of U.S. citizens (and permanent resident aliens) who were degree recipients during the 1991–2000 period are reported. The following five racial/ethnic categories were the standard in Federal Government surveys of institutions in this reporting period:

Black, non-Hispanic—A person having origins in any of the black racial groups of Africa (except those of Hispanic origin).

American Indian or Alaskan Native—A person having origins in any of the original peoples of North America and who maintains cultural identification through tribal affiliation or community recognition.

Asian or Pacific Islander—A person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands. These areas include, for example, China, Japan, Korea, the Philippine Islands, and Samoa. ***Asian*** is used to refer to this racial/ethnic category in the tables in Section B.

Hispanic—A person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.

White, non-Hispanic—A person having origins in any of the original peoples of Europe, North Africa, or the Middle East (except those of Hispanic origin).

Persons who are U.S. citizens or foreign citizens admitted for permanent residence are classified into the above categories. The ethnic category of Hispanic took precedence over the racial categories in the data collection. In addition, nonresident aliens, i.e., those admitted to the United States for temporary residence, are separately identified as a sixth category in the survey. The nonresident aliens are not reported in the aforementioned racial/ethnic groups. The definition used in the survey is as follows:

Nonresident alien—A person who is not a citizen or national of the United States and who is in this country on a temporary basis and does not have the right to remain indefinitely. Resident aliens who are not citizens of the United States and who have been lawfully admitted for permanent residence (and who hold alien registration receipt cards—Form I-551/155) are to be reported in the appropriate racial/ethnic categories along with U.S. citizens.

BACHELOR'S AND MASTER'S DEGREE DATA

Bachelor's and master's degree data presented in this report were derived from a survey conducted by NCES—the Completions Survey. This survey requested data on the number of associate's, bachelor's, master's, doctoral, and first professional degrees conferred by institutions of higher education. The data were requested by sex and field of study of recipient for each degree level. Data on the race/ethnicity of degree recipients were collected biennially by NCES for the Office of Civil Rights from 1987 through 1989 and annually since then. A limitation has been that data were collected only at the broad field level[1] until

[1]Broad field level refers to the 2-digit program levels in U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs* (Washington, DC: GPO, 1991).

1995 according to the Federal racial/ethnic designations of degree recipients. This has affected one field primarily—social sciences. Social sciences includes history in this report, for bachelor's and master's degree levels. History comprises 20-23 percent of the social sciences total.

The surveys were mailed to all accredited universities and colleges in the United States, including the U.S. territories, for completion by the institution. Followup for nonresponse and editing was conducted by letter and telephone. The overall response rate for institutions of higher education ranged from 92 and 97 percent between 1991 and 2000. Detailed national data were not released for the academic year ending 1999 by NCES.

For the bachelor's and master's degree data, the manner of collecting racial and ethnic data is left to the discretion of the institutions, provided that the system established results in reasonably accurate data. The information is gathered by NCES for the Office of Civil Rights, U.S. Department of Education, in compliance with title I of the Civil Rights Act of 1964 and title IX of the Education Amendments of 1972.

For institutions that did not report any racial/ethnic data by field, NCES imputed data on the basis of an earlier response for each institution, if available. Table A-1 indicates percentage of 2000 degree recipients in each race/ethnicity category for which race/ethnicity was imputed.

Table A-1. Percent of bachelor's and master's degree recipients imputed by race/ethnicity: 2000

Race/ethnicity	Bachelor's	Master's
White	0.3	0.7
Black	0.2	0.4
Hispanic	0.3	0.3
Asian or Pacific Islander	0.1	0.7
American Indian or Alaskan Native	0.5	0.3
Nonresident alien	0.4	0.6
Unknown	0.1	0.1

SOURCE: NCES, IPEDS Completions file, 2000

In examining data on degrees awarded to minorities, it must be noted that 1-5 percent of all S&E degrees awarded in 1991–2000 were reported as awarded to individuals whose race/ethnicity was unknown. This unknown category could affect trends and observable changes in the number and share of awards received by minority students, particularly if there are shifts from year to year in the number of degree recipients with unknown race/ethnicity. As tables 1 and 2 in section B indicate, the share of degrees awarded to individuals whose race/ethnicity was unknown varied somewhat by degree level.

This NSF report differs from those published by NCES in that data for the U.S. territories and the commonwealth of Puerto Rico are included, whereas NCES excludes them from most of its published reports. Primarily, data for Hispanics are affected because institutions in Puerto Rico are included.

Doctoral Degree Data

In the Survey of Earned Doctorates, information is collected during the period of July 1 of one year to June 30 of the next from all persons who have fulfilled the requirements for research doctorates. The survey was funded jointly by NSF and other Federal agencies (five in the period from 1997–2000): the U.S. Department of Education, the National Institutes of Health, the National Endowment for the Humanities, the National Aeronautics and Space Administration, and the U.S. Department of Agriculture. The survey forms are sent to all accredited doctorate-granting institutions for distribution by the graduate deans to all research doctorate recipients as they complete degree requirements. Information collected in the survey comprises demographic data, such as the student's sex, citizenship, ethnicity, and racial group; education history, including field of degrees; sources of graduate student support; employment status during the year preceding receipt of the doctorate; postgraduation plans; and background on parents' education. Approximately 92–95 percent of the doctorate recipients complete and return the survey forms. For nonrespondents, commencement programs constitute a source of skeletal information that is added to the file for the variables of sex, field of study, institution, year of doctorate, and educational background. Nonresponse for race/ethnicity is not imputed for individuals, but the percent unknown has been low (around 1–2 percent of those with known citizenship; citizenship was unknown for 2–8 percent of degree recipients). Because changes in nonresponse do exist, small changes in numbers should be interpreted with caution. Data are also updated annually from completed survey forms received late, so numbers may change very slightly in each edition.

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Table 1. Percentage distribution of earned bachelor's degrees in science and engineering, by citizenship, race/ethnicity, and sex of recipient: 1991-2000

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total[1]	96.4	96.8	96.4	96.5	96.3	96.3	96.4	96.4	96.4
White, non-Hispanics	78.0	77.6	76.5	75.3	73.7	72.7	71.5	70.6	68.7
Asians/Pacific Islanders	5.8	6.0	6.3	6.7	7.3	7.6	8.1	8.4	8.6
Underrepresented minorities, total	10.3	11.0	11.5	12.3	13.0	13.6	14.2	14.7	15.6
Black, non-Hispanics	5.6	6.0	6.3	6.6	6.9	7.2	7.4	7.6	8.0
Hispanics	4.3	4.6	4.7	5.2	5.6	5.9	6.2	6.5	6.9
American Indians or Alaskan Natives	.4	.4	.5	.5	.5	.6	.6	.6	.7
U.S. citizens and permanent residents, unknown race/ethnicity	2.4	2.1	2.1	2.2	2.3	2.4	2.6	2.7	3.5
Nonresident aliens[2]	3.6	3.2	3.6	3.5	3.7	3.7	3.6	3.6	3.6
	Men								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total[1]	95.5	96.0	95.6	95.6	95.4	95.5	95.5	95.6	95.6
White, non-Hispanics	78.8	78.5	77.5	76.3	74.8	73.8	72.8	72.0	70.3
Asians/Pacific Islanders	5.9	6.3	6.6	6.9	7.4	7.9	8.4	8.7	9.0
Underrepresented minorities, total	8.5	9.0	9.4	10.2	10.8	11.3	11.7	12.2	12.8
Black, non-Hispanics	4.2	4.5	4.7	5.0	5.1	5.4	5.6	5.7	5.9
Hispanics	3.9	4.2	4.3	4.7	5.1	5.4	5.6	5.9	6.3
American Indians or Alaskan Natives	.3	.4	.4	.5	.5	.5	.5	.6	.6
U.S. citizens and permanent residents, unknown race/ethnicity	2.4	2.2	2.2	2.2	2.4	2.6	2.6	2.7	3.6
Nonresident aliens[2]	4.5	4.0	4.4	4.4	4.6	4.5	4.5	4.4	4.4
	Women								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total[1]	97.6	97.7	97.5	97.5	97.4	97.3	97.3	97.3	97.1
White, non-Hispanics	77.0	76.6	75.3	74.0	72.4	71.4	70.0	69.1	67.0
Asians/Pacific Islanders	5.5	5.6	6.0	6.4	7.1	7.4	7.8	8.1	8.2
Underrepresented minorities, total	12.7	13.4	14.1	15.0	15.6	16.2	17.0	17.5	18.4
Black, non-Hispanics	7.4	7.8	8.2	8.7	8.9	9.2	9.5	9.7	10.1
Hispanics	4.8	5.2	5.3	5.8	6.1	6.4	6.8	7.1	7.6
American Indians or Alaskan Natives	.4	.5	.5	.6	.6	.6	.7	.7	.7
U.S. citizens and permanent residents, unknown race/ethnicity	2.4	2.1	2.1	2.1	2.3	2.3	2.5	2.7	3.5
Nonresident aliens[2]	2.4	2.3	2.5	2.5	2.6	2.7	2.7	2.7	2.9

[1] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[2] Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTES: Details may not sum to totals due to rounding.

Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in science and engineering.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 2. Percentage distribution of earned master's degrees in science and engineering, by citizenship, race/ethnicity, and sex of recipient: 1991-2000

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total[1]	76.6	76.4	75.3	75.7	75.9	76.8	76.8	75.4	73.2
White, non-Hispanics	61.1	59.9	58.9	58.9	58.1	58.4	58.0	56.3	52.4
Asians/Pacific Islanders	5.9	6.3	6.0	6.3	6.4	6.7	6.7	7.1	7.5
Underrepresented minorities, total	5.5	5.7	6.0	6.5	7.0	7.4	8.1	8.2	8.8
Black, non-Hispanics	2.9	3.1	3.1	3.3	3.8	4.0	4.4	4.3	4.7
Hispanics	2.4	2.4	2.6	2.9	2.9	3.1	3.3	3.5	3.8
American Indians or Alaskan Natives	.3	.3	.3	.3	.3	.3	.4	.4	.4
U.S. citizens and permanent residents, unknown race/ethnicity	4.0	4.5	4.4	4.0	4.3	4.4	4.0	3.8	4.5
Nonresident aliens[2]	23.4	23.6	24.7	24.3	24.1	23.2	23.2	24.6	26.8
	Men								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total[1]	72.6	72.5	71.1	71.6	71.3	72.8	72.4	71.2	68.8
White, non-Hispanics	57.9	56.5	55.5	55.6	54.6	55.7	55.4	53.7	49.9
Asians/Pacific Islanders	6.2	6.6	6.1	6.4	6.7	6.8	6.6	7.1	7.5
Underrepresented minorities, total	4.5	4.7	5.0	5.3	5.6	5.8	6.5	6.5	7.0
Black, non-Hispanics	2.2	2.3	2.4	2.5	2.7	2.8	3.1	3.2	3.3
Hispanics	2.1	2.1	2.4	2.6	2.6	2.7	3.0	3.1	3.4
American Indians or Alaskan Natives	.2	.2	.2	.3	.3	.3	.3	.3	.3
U.S. citizens and permanent residents, unknown race/ethnicity	4.1	4.7	4.5	4.2	4.4	4.5	3.9	3.8	4.4
Nonresident aliens[2]	27.4	27.5	28.9	28.4	28.7	27.2	27.6	28.8	31.2
	Women								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total[1]	84.2	83.7	83.1	83.3	83.8	83.4	83.5	81.8	79.3
White, non-Hispanics	67.3	66.4	65.3	64.9	64.2	62.7	61.9	60.1	55.8
Asians/Pacific Islanders	5.4	5.6	5.7	6.1	6.0	6.6	6.9	7.1	7.5
Underrepresented minorities, total	7.6	7.6	8.0	8.7	9.4	9.9	10.6	10.8	11.2
Black, non-Hispanics	4.2	4.5	4.6	4.8	5.5	5.8	6.4	6.0	6.5
Hispanics	3.0	2.8	3.0	3.6	3.5	3.7	3.8	4.2	4.3
American Indians or Alaskan Natives	.4	.3	.4	.4	.5	.4	.4	.5	.4
U.S. citizens and permanent residents, unknown race/ethnicity	3.9	4.1	4.2	3.6	4.1	4.2	4.1	3.9	4.7
Nonresident aliens[2]	15.8	16.3	16.9	16.7	16.2	16.6	16.5	18.2	20.7

[1] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[2] Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTES: Details may not sum to totals due to rounding.

Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in science and engineering.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

Table 3. Percentage distribution of earned doctoral degrees in science and engineering, by citizenship, race/ethnicity, and sex of recipient: 1991-2000

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Total									
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total[1]	66.2	64.6	65.1	69.4	71.6	68.5	67.5	66.9	67.3	65.7
White, non-Hispanics	55.5	54.0	54.0	53.0	52.4	51.4	50.8	51.4	52.7	51.6
Asians/Pacific Islanders	4.9	5.5	6.3	11.4	13.8	11.4	9.3	7.9	7.5	6.7
Underrepresented minorities, total	4.2	4.0	4.1	4.2	4.5	4.7	5.0	5.5	6.0	5.9
Black, non-Hispanics	1.9	1.7	1.8	1.9	2.1	2.1	2.3	2.4	2.8	2.8
Hispanics	2.1	2.1	2.1	2.1	2.1	2.3	2.4	2.8	2.7	2.7
American Indians or Alaskan Natives	.2	.3	.2	.2	.3	.4	.3	.4	.4	.3
U.S. citizens and permanent residents, unknown race/ethnicity	1.7	1.1	.7	.7	.9	.9	2.5	2.2	1.2	1.5
Nonresident aliens[2]	31.8	32.8	31.9	28.7	26.4	28.7	27.5	28.5	27.9	29.4
Citizenship unknown	1.9	2.6	3.0	1.9	2.1	2.9	4.9	4.6	4.7	4.9
	Men									
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total[1]	60.7	59.5	60.0	64.4	66.7	63.3	63.0	62.1	62.4	60.2
White, non-Hispanics	50.5	49.5	49.7	48.1	47.9	46.9	47.3	47.8	49.2	47.9
Asians/Pacific Islanders	4.7	5.3	6.1	11.9	14.1	11.5	9.1	7.7	7.3	6.3
Underrepresented minorities, total	3.6	3.4	3.4	3.5	3.7	4.0	4.3	4.4	4.6	4.5
Black, non-Hispanics	1.6	1.4	1.5	1.6	1.6	1.8	1.8	1.7	2.1	2.0
Hispanics	1.8	1.8	1.8	1.8	1.9	1.9	2.2	2.4	2.1	2.2
American Indians or Alaskan Natives	.2	.2	.1	.2	.2	.3	.2	.3	.4	.3
U.S. citizens and permanent residents, unknown race/ethnicity	1.8	1.3	.8	.8	1.0	1.0	2.3	2.2	1.3	1.5
Nonresident aliens[2]	37.7	38.6	37.8	34.0	31.7	34.2	33.0	33.7	33.4	35.0
Citizenship unknown	1.6	1.9	2.2	1.6	1.6	2.5	4.0	4.2	4.2	4.8
	Women									
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total[1]	80.7	78.8	78.7	82.0	83.4	80.5	78.2	76.7	77.3	75.7
White, non-Hispanics	68.4	66.4	65.5	65.1	63.0	61.9	58.9	58.8	59.8	58.6
Asians/Pacific Islanders	5.4	5.9	6.9	10.4	13.5	11.4	10.0	8.2	8.0	7.3
Underrepresented minorities, total	5.8	5.7	5.9	5.9	6.3	6.5	6.6	7.7	8.6	8.3
Black, non-Hispanics	2.8	2.4	2.7	2.7	3.3	2.9	3.3	3.7	4.0	4.3
Hispanics	2.7	2.9	2.9	2.9	2.7	3.1	3.0	3.5	3.9	3.6
American Indians or Alaskan Natives	.3	.4	.2	.3	.3	.4	.4	.4	.6	.5
U.S. citizens and permanent residents, unknown race/ethnicity	1.2	.8	.4	.6	.6	.8	2.7	2.1	.9	1.4
Nonresident aliens[2]	17.7	19.1	19.0	16.7	15.0	17.3	17.0	18.8	18.2	19.8
Citizenship unknown	1.5	2.1	2.3	1.3	1.6	2.2	4.8	4.5	4.6	4.4

[1] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[2] Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Details may not sum to totals due to rounding.

See section C for specific fields included in science and engineering.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS, Survey of Earned Doctorates

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Table 4. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total, all fields	1,107,997	1,150,072	1,179,278	1,183,141	1,174,436	1,179,815	1,186,589	1,199,579	1,253,121
Science and engineering	356,785	376,933	388,435	395,380	399,809	405,921	408,749	411,286	418,720
Engineering	62,186	61,898	62,670	62,962	63,330	63,066	62,306	60,870	59,445
Sciences	294,599	315,035	325,765	332,418	336,479	342,855	346,443	350,416	359,275
Natural sciences	105,595	111,108	116,742	122,792	129,447	136,126	140,301	144,256	150,464
Physical science [1]	16,407	17,076	17,691	18,525	19,375	19,853	19,730	19,594	18,627
Mathematical science	14,784	14,851	14,870	14,431	13,759	13,201	12,869	12,363	12,148
Computer science	25,410	24,854	24,477	24,458	24,662	24,405	24,975	27,041	36,403
Biological science	40,351	43,835	47,877	52,213	56,804	61,998	65,061	67,047	64,800
Agricultural science	8,643	10,492	11,827	13,165	14,847	16,669	17,666	18,211	18,486
Social sciences	189,004	203,927	209,023	209,626	207,032	206,729	206,142	206,160	208,811
Social science	130,111	139,884	141,772	139,858	134,431	132,901	131,408	131,703	134,157
Psychology	58,893	64,043	67,251	69,768	72,601	73,828	74,734	74,457	74,654
Non-S&E [2]	751,212	773,139	790,843	787,761	774,627	773,894	777,840	788,293	834,401
	U.S. citizens and permanent residents, total [3]								
Total, all fields	1,078,340	1,121,525	1,146,907	1,148,914	1,137,424	1,142,028	1,147,815	1,160,692	1,214,326
Science and engineering	344,061	364,695	374,633	381,451	385,055	391,074	393,952	396,558	403,489
Engineering	57,604	57,675	58,165	58,422	58,520	58,304	57,509	56,227	54,915
Sciences	286,457	307,020	316,468	323,029	326,535	332,770	336,443	340,331	348,574
Natural sciences	101,039	106,739	111,656	117,843	124,297	131,065	135,390	139,280	144,898
Physical science [1]	15,799	16,469	16,927	17,812	18,652	19,167	19,059	18,919	18,049
Mathematical science	14,206	14,259	14,318	13,869	13,166	12,643	12,343	11,907	11,673
Computer science	23,373	22,880	22,273	22,185	22,367	22,225	22,976	24,912	33,524
Biological science	39,288	42,842	46,660	51,058	55,523	60,633	63,601	65,625	63,425
Agricultural science	8,373	10,289	11,478	12,919	14,589	16,397	17,411	17,917	18,227
Social sciences	185,418	200,281	204,812	205,186	202,238	201,705	201,053	201,051	203,676
Social science	127,216	136,902	138,391	136,273	130,579	128,893	127,368	127,764	130,286
Psychology	58,202	63,379	66,421	68,913	71,659	72,812	73,685	73,287	73,390
Non-S&E [2]	734,279	756,830	772,274	767,463	752,369	750,954	753,863	764,134	810,837
	White, non-Hispanics								
Total, all fields	892,363	921,453	931,603	918,124	892,785	884,128	877,759	878,018	895,129
Science and engineering	278,190	292,614	297,171	297,616	294,773	295,082	292,252	290,207	287,544
Engineering	45,162	45,026	44,853	44,687	43,726	43,098	41,624	40,533	38,989
Sciences	233,028	247,588	252,318	252,929	251,047	251,984	250,628	249,674	248,555
Natural sciences	80,111	84,133	87,401	91,196	94,575	98,707	100,871	101,967	103,171
Physical science [1]	13,145	13,678	13,941	14,616	14,952	15,088	14,920	14,566	13,657
Mathematical science	11,649	11,723	11,669	11,089	10,343	9,823	9,484	9,045	8,636
Computer science	17,349	16,844	16,155	15,816	15,532	15,470	15,626	16,670	21,182
Biological science	30,264	32,506	35,080	37,942	40,628	43,680	45,325	45,854	43,814
Agricultural science	7,704	9,382	10,556	11,733	13,120	14,646	15,516	15,832	15,882
Social sciences	152,917	163,455	164,917	161,733	156,472	153,277	149,757	147,707	145,384
Social science	104,783	111,389	111,154	106,863	100,558	97,372	94,411	93,482	92,987
Psychology	48,134	52,066	53,763	54,870	55,914	55,905	55,346	54,225	52,397
Non-S&E [2]	614,173	628,839	634,432	620,508	598,012	589,046	585,507	587,811	607,585

See explanatory information and SOURCE at end of table.

Table 4. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Asians/Pacific Islanders								
Total, all fields	41,725	46,616	50,587	54,675	59,295	63,117	67,358	69,988	75,265
Science and engineering	20,552	22,635	24,504	26,420	29,128	31,031	33,139	34,568	36,027
Engineering	6,220	6,265	6,407	6,516	6,785	6,799	7,085	7,002	6,854
Sciences	14,332	16,370	18,097	19,904	22,343	24,232	26,054	27,566	29,173
Natural sciences	7,595	8,496	9,524	10,401	12,007	13,212	14,200	15,001	16,265
Physical science[1]	983	1,001	1,098	1,096	1,347	1,559	1,620	1,676	1,560
Mathematical science	915	857	915	926	965	935	877	856	964
Computer science	2,010	2,082	2,245	2,247	2,365	2,448	2,767	3,158	5,262
Biological science	3,559	4,402	5,103	5,959	7,043	7,958	8,535	8,867	8,023
Agricultural science	128	154	163	173	287	312	401	444	456
Social sciences	6,737	7,874	8,573	9,503	10,336	11,020	11,854	12,565	12,908
Social science	4,852	5,724	6,035	6,726	7,005	7,354	7,787	8,298	8,720
Psychology	1,885	2,150	2,538	2,777	3,331	3,666	4,067	4,267	4,188
Non-S&E[2]	21,173	23,981	26,083	28,255	30,167	32,086	34,219	35,420	39,238
	Underrepresented minorities, total								
Total, all fields	118,522	129,448	140,086	151,063	158,432	167,382	174,243	181,709	200,967
Science and engineering	36,682	41,383	44,682	48,822	51,844	55,114	58,129	60,656	65,183
Engineering	4,953	5,277	5,714	6,020	6,717	6,974	7,463	7,396	7,458
Sciences	31,729	36,106	38,968	42,802	45,127	48,140	50,666	53,260	57,725
Natural sciences	10,960	11,722	12,510	13,782	14,815	16,135	16,856	18,424	20,316
Physical science[1]	1,355	1,425	1,528	1,737	1,932	2,076	2,063	2,147	2,259
Mathematical science	1,334	1,432	1,490	1,594	1,589	1,619	1,708	1,738	1,682
Computer science	3,292	3,342	3,390	3,611	3,915	3,784	3,734	4,096	5,531
Biological science	4,551	5,043	5,602	6,127	6,606	7,648	8,255	9,232	9,559
Agricultural science	428	480	500	713	773	1,008	1,096	1,211	1,285
Social sciences	20,769	24,384	26,458	29,020	30,312	32,005	33,810	34,836	37,409
Social science	14,100	16,647	17,918	19,400	19,621	20,471	21,385	21,960	23,192
Psychology	6,669	7,737	8,540	9,620	10,691	11,534	12,425	12,876	14,217
Non-S&E[2]	81,840	88,065	95,404	102,241	106,588	112,268	116,114	121,053	135,784
	Black, non-Hispanics								
Total, all fields	65,009	71,311	76,667	82,316	85,287	89,554	92,067	95,878	104,212
Science and engineering	19,987	22,431	24,421	26,289	27,528	29,055	30,444	31,398	33,462
Engineering	2,229	2,362	2,577	2,659	2,845	3,000	3,076	3,018	3,062
Sciences	17,758	20,069	21,844	23,630	24,683	26,055	27,368	28,380	30,400
Natural sciences	5,834	6,401	6,972	7,559	8,021	8,670	9,061	9,713	10,634
Physical science[1]	753	816	836	921	1,034	1,100	1,110	1,127	1,141
Mathematical science	811	904	965	992	995	981	1,071	1,030	971
Computer science	1,997	2,090	2,213	2,398	2,498	2,415	2,370	2,580	3,330
Biological science	2,111	2,385	2,739	2,980	3,231	3,811	4,123	4,550	4,734
Agricultural science	162	206	219	268	263	363	387	426	458
Social sciences	11,924	13,668	14,872	16,071	16,662	17,385	18,307	18,667	19,766
Social science	8,236	9,489	10,254	10,835	10,921	11,357	11,660	11,815	12,194
Psychology	3,688	4,179	4,618	5,236	5,741	6,028	6,647	6,852	7,572
Non-S&E[2]	45,022	48,880	52,246	56,027	57,759	60,499	61,623	64,480	70,750

See explanatory information and SOURCE at end of table.

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Table 4. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Hispanics								
Total, all fields	49,027	53,007	57,845	62,683	66,691	71,015	74,938	78,125	88,324
Science and engineering	15,351	17,391	18,442	20,529	22,190	23,791	25,266	26,725	28,939
Engineering	2,566	2,733	2,961	3,143	3,651	3,731	4,125	4,125	4,068
Sciences	12,785	14,658	15,481	17,386	18,539	20,060	21,141	22,600	24,871
Natural sciences	4,705	4,892	5,034	5,648	6,119	6,764	7,055	7,881	8,767
Physical science[1]	533	546	599	733	800	872	853	914	1,010
Mathematical science	480	482	470	543	536	585	581	642	640
Computer science	1,215	1,173	1,096	1,135	1,307	1,280	1,267	1,410	2,035
Biological science	2,264	2,477	2,652	2,901	3,090	3,521	3,793	4,283	4,446
Agricultural science	213	214	217	336	386	506	561	632	636
Social sciences	8,080	9,766	10,447	11,738	12,420	13,296	14,086	14,719	16,104
Social science	5,334	6,519	6,860	7,748	7,877	8,260	8,804	9,210	9,977
Psychology	2,746	3,247	3,587	3,990	4,543	5,036	5,282	5,509	6,127
Non-S&E[2]	33,676	35,616	39,403	42,154	44,501	47,224	49,672	51,400	59,385
	American Indians or Alaskan Natives								
Total, all fields	4,486	5,130	5,574	6,064	6,454	6,813	7,238	7,706	8,431
Science and engineering	1,344	1,561	1,819	2,004	2,126	2,268	2,419	2,533	2,782
Engineering	158	182	176	218	221	243	262	253	328
Sciences	1,186	1,379	1,643	1,786	1,905	2,025	2,157	2,280	2,454
Natural sciences	421	429	504	575	675	701	740	830	915
Physical science[1]	69	63	93	83	98	104	100	106	108
Mathematical science	43	46	55	59	58	53	56	66	71
Computer science	80	79	81	78	110	89	97	106	166
Biological science	176	181	211	246	285	316	339	399	379
Agricultural science	53	60	64	109	124	139	148	153	191
Social sciences	765	950	1,139	1,211	1,230	1,324	1,417	1,450	1,539
Social science	530	639	804	817	823	854	921	935	1,021
Psychology	235	311	335	394	407	470	496	515	518
Non-S&E[2]	3,142	3,569	3,755	4,060	4,328	4,545	4,819	5,173	5,649
	U.S. citizens and permanent residents, unknown race/ethnicity								
Total, all fields	25,730	24,008	24,631	25,052	26,912	27,401	28,455	30,977	42,965
Science and engineering	8,637	8,063	8,276	8,593	9,310	9,847	10,432	11,127	14,735
Engineering	1,269	1,107	1,191	1,199	1,292	1,433	1,337	1,296	1,614
Sciences	7,368	6,956	7,085	7,394	8,018	8,414	9,095	9,831	13,121
Natural sciences	2,373	2,388	2,221	2,464	2,900	3,011	3,463	3,888	5,146
Physical science[1]	316	365	360	363	421	444	456	530	573
Mathematical science	308	247	244	260	269	266	274	268	391
Computer science	722	612	483	511	555	523	849	988	1,549
Biological science	914	891	875	1,030	1,246	1,347	1,486	1,672	2,029
Agricultural science	113	273	259	300	409	431	398	430	604
Social sciences	4,995	4,568	4,864	4,930	5,118	5,403	5,632	5,943	7,975
Social science	3,481	3,142	3,284	3,284	3,395	3,696	3,785	4,024	5,387
Psychology	1,514	1,426	1,580	1,646	1,723	1,707	1,847	1,919	2,588
Non-S&E[2]	17,093	15,945	16,355	16,459	17,602	17,554	18,023	19,850	28,230

See explanatory information and SOURCE at end of table.

Table 4. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens [4]								
Total, all fields	29,657	28,547	32,371	34,227	37,012	37,787	38,774	38,887	38,795
Science and engineering	12,724	12,238	13,802	13,929	14,754	14,847	14,797	14,728	15,231
Engineering	4,582	4,223	4,505	4,540	4,810	4,762	4,797	4,643	4,530
Sciences	8,142	8,015	9,297	9,389	9,944	10,085	10,000	10,085	10,701
Natural sciences	4,556	4,369	5,086	4,949	5,150	5,061	4,911	4,976	5,566
Physical science [1]	608	607	764	713	723	686	671	675	578
Mathematical science	578	592	552	562	593	558	526	456	475
Computer science	2,037	1,974	2,204	2,273	2,295	2,180	1,999	2,129	2,879
Biological science	1,063	993	1,217	1,155	1,281	1,365	1,460	1,422	1,375
Agricultural science	270	203	349	246	258	272	255	294	259
Social sciences	3,586	3,646	4,211	4,440	4,794	5,024	5,089	5,109	5,135
Social science	2,895	2,982	3,381	3,585	3,852	4,008	4,040	3,939	3,871
Psychology	691	664	830	855	942	1,016	1,049	1,170	1,264
Non-S&E [2]	16,933	16,309	18,569	20,298	22,258	22,940	23,977	24,159	23,564

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

[3] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[4] Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 5. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total, all fields	508,952	525,395	537,536	537,061	531,146	528,000	525,282	525,714	536,158
Science and engineering	201,499	209,270	214,388	216,492	216,078	216,614	214,329	213,171	209,694
Engineering	52,522	52,270	52,696	52,569	52,389	51,765	50,846	49,541	47,248
Sciences	148,977	157,000	161,692	163,923	163,689	164,849	163,483	163,630	162,446
Natural sciences	62,091	64,678	67,855	70,956	73,593	76,775	77,585	78,792	80,505
Physical science[1]	11,199	11,466	11,877	12,253	12,559	12,666	12,306	12,001	11,020
Mathematical science	7,804	7,923	7,859	7,754	7,318	7,176	6,938	6,618	6,430
Computer science	17,896	17,670	17,565	17,466	17,628	17,666	18,166	19,796	26,192
Biological science	19,715	21,107	23,111	25,314	26,956	29,189	29,839	29,982	26,916
Agricultural science	5,477	6,512	7,443	8,169	9,132	10,078	10,336	10,395	9,947
Social sciences	86,886	92,322	93,837	92,967	90,096	88,074	85,898	84,838	81,941
Social science	70,731	75,185	75,808	74,218	70,458	68,109	66,407	65,781	64,401
Psychology	16,155	17,137	18,029	18,749	19,638	19,965	19,491	19,057	17,540
Non-S&E[2]	307,453	316,125	323,148	320,569	315,068	311,386	310,953	312,543	326,464
	U.S. citizens and permanent residents, total[3]								
Total, all fields	490,725	508,289	518,484	517,318	510,030	506,569	503,659	504,262	515,544
Science and engineering	192,516	200,929	204,994	207,030	206,144	206,828	204,767	203,694	200,470
Engineering	48,410	48,518	48,655	48,577	48,145	47,623	46,725	45,526	43,524
Sciences	144,106	152,411	156,339	158,453	157,999	159,205	158,042	158,168	156,946
Natural sciences	59,096	61,872	64,584	67,726	70,302	73,606	74,571	75,715	77,191
Physical science[1]	10,788	11,049	11,352	11,786	12,08[illegible]	12,229	11,875	11,572	10,667
Mathematical science	7,430	7,565	7,514	7,390	6,960	6,790	6,618	6,326	6,124
Computer science	16,433	16,251	15,964	15,799	15,960	16,093	16,735	18,289	24,216
Biological science	19,171	20,628	22,542	24,739	26,334	28,576	29,170	29,303	26,370
Agricultural science	5,274	6,379	7,212	8,012	8,962	9,918	10,173	10,225	9,814
Social sciences	85,010	90,539	91,755	90,727	87,697	85,599	83,471	82,453	79,755
Social science	69,033	73,577	73,946	72,185	68,291	65,909	64,235	63,692	62,489
Psychology	15,977	16,962	17,809	18,542	19,406	19,690	19,236	18,761	17,266
Non-S&E[2]	298,209	307,360	313,490	310,288	303,886	299,741	298,892	300,568	315,074
	White, non-Hispanics								
Total, all fields	410,745	422,517	427,240	420,211	407,155	399,132	392,541	389,007	388,171
Science and engineering	158,687	164,220	166,063	165,245	161,731	159,889	156,121	153,382	147,423
Engineering	38,692	38,513	38,244	37,830	36,785	35,977	34,579	33,620	31,723
Sciences	119,995	125,707	127,819	127,415	124,946	123,912	121,542	119,762	115,700
Natural sciences	48,304	50,126	52,048	54,115	55,197	57,162	57,464	57,255	56,657
Physical science[1]	9,203	9,430	9,614	9,958	10,006	9,966	9,695	9,290	8,439
Mathematical science	6,119	6,255	6,131	5,920	5,456	5,239	5,085	4,851	4,540
Computer science	12,916	12,571	12,329	12,022	11,793	11,924	12,070	12,991	16,316
Biological science	15,174	16,030	17,293	18,882	19,790	21,065	21,388	20,908	18,651
Agricultural science	4,892	5,840	6,681	7,333	8,152	8,968	9,226	9,215	8,711
Social sciences	71,691	75,581	75,771	73,300	69,749	66,750	64,078	62,507	59,043
Social science	58,414	61,574	61,269	58,409	54,508	51,580	49,558	48,589	46,649
Psychology	13,277	14,007	14,502	14,891	15,241	15,170	14,520	13,918	12,394
Non-S&E[2]	252,058	258,297	261,177	254,966	245,424	239,243	236,420	235,625	240,748

See explanatory information and SOURCE at end of table.

Table 5. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Asians/Pacific Islanders								
Total, all fields	20,773	23,190	24,819	26,420	28,348	29,954	31,732	32,588	34,568
Science and engineering	11,942	13,198	14,132	14,967	16,039	17,015	17,914	18,495	18,810
Engineering	4,969	5,067	5,130	5,235	5,340	5,363	5,611	5,435	5,190
Sciences	6,973	8,131	9,002	9,732	10,699	11,652	12,303	13,060	13,620
Natural sciences	4,149	4,783	5,380	5,721	6,483	7,161	7,481	8,013	8,641
Physical science[1]	606	615	675	648	784	908	881	903	836
Mathematical science	482	486	502	523	519	539	494	462	496
Computer science	1,268	1,373	1,492	1,476	1,583	1,697	1,930	2,276	3,562
Biological science	1,736	2,230	2,633	2,992	3,467	3,878	4,007	4,181	3,565
Agricultural science	57	79	78	82	130	139	169	191	182
Social sciences	2,824	3,348	3,622	4,011	4,216	4,491	4,822	5,047	4,979
Social science	2,260	2,728	2,884	3,204	3,247	3,366	3,617	3,824	3,941
Psychology	564	620	738	807	969	1,125	1,205	1,223	1,038
Non-S&E[2]	8,831	9,992	10,687	11,453	12,309	12,939	13,818	14,093	15,758
	Underrepresented minorities, total								
Total, all fields	46,914	50,695	54,600	58,528	61,542	64,369	66,191	68,448	73,662
Science and engineering	17,027	18,890	20,160	22,001	23,235	24,400	25,112	25,985	26,780
Engineering	3,654	3,952	4,261	4,458	4,917	5,056	5,410	5,362	5,293
Sciences	13,373	14,938	15,899	17,543	18,318	19,344	19,702	20,623	21,487
Natural sciences	5,226	5,450	5,766	6,389	6,888	7,478	7,610	8,294	8,975
Physical science[1]	755	745	792	931	998	1,044	991	1,060	1,032
Mathematical science	657	675	744	786	820	852	878	865	849
Computer science	1,758	1,864	1,802	1,939	2,190	2,092	2,122	2,315	3,218
Biological science	1,799	1,885	2,130	2,337	2,449	2,939	3,058	3,462	3,271
Agricultural science	257	281	298	396	431	551	561	592	605
Social sciences	8,147	9,488	10,133	11,154	11,430	11,866	12,092	12,329	12,512
Social science	6,442	7,590	8,013	8,813	8,742	8,990	9,092	9,256	9,310
Psychology	1,705	1,898	2,120	2,341	2,688	2,876	3,000	3,073	3,202
Non-S&E[2]	29,887	31,805	34,440	36,527	38,307	39,969	41,079	42,463	46,882
	Black, non-Hispanics								
Total, all fields	24,238	26,518	28,374	30,106	30,998	32,223	32,726	33,653	35,648
Science and engineering	8,448	9,375	10,099	10,806	11,127	11,700	11,947	12,150	12,383
Engineering	1,484	1,614	1,764	1,784	1,846	1,964	2,019	1,977	1,973
Sciences	6,964	7,761	8,335	9,022	9,281	9,736	9,928	10,173	10,410
Natural sciences	2,538	2,709	2,872	3,146	3,314	3,591	3,678	3,969	4,244
Physical science[1]	391	381	370	464	495	482	466	521	472
Mathematical science	380	374	444	457	476	468	510	488	468
Computer science	971	1,092	1,049	1,161	1,241	1,218	1,212	1,323	1,737
Biological science	696	749	883	927	981	1,236	1,304	1,448	1,379
Agricultural science	100	113	126	137	121	187	186	189	188
Social sciences	4,426	5,052	5,463	5,876	5,967	6,145	6,250	6,204	6,166
Social science	3,547	4,070	4,364	4,644	4,565	4,727	4,659	4,660	4,520
Psychology	879	982	1,099	1,232	1,402	1,418	1,591	1,544	1,646
Non-S&E[2]	15,790	17,143	18,275	19,300	19,871	20,523	20,779	21,503	23,265

See explanatory information and SOURCE at end of table.

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Table 5. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Hispanics								
Total, all fields	20,781	22,026	23,825	25,860	27,875	29,335	30,550	31,716	34,657
Science and engineering	7,888	8,730	9,160	10,190	11,031	11,592	12,044	12,622	13,126
Engineering	2,039	2,187	2,355	2,495	2,895	2,897	3,196	3,179	3,081
Sciences	5,849	6,543	6,805	7,695	8,136	8,695	8,848	9,443	10,045
Natural sciences	2,458	2,497	2,608	2,925	3,196	3,509	3,544	3,873	4,278
Physical science[1]	318	326	361	415	437	488	468	474	505
Mathematical science	259	279	273	300	315	354	340	338	348
Computer science	738	724	700	719	876	824	841	920	1,373
Biological science	1,019	1,043	1,144	1,298	1,340	1,560	1,598	1,823	1,736
Agricultural science	124	125	130	193	228	283	297	318	316
Social sciences	3,391	4,046	4,197	4,770	4,940	5,186	5,304	5,570	5,767
Social science	2,634	3,220	3,269	3,774	3,774	3,860	4,019	4,188	4,339
Psychology	757	826	928	996	1,166	1,326	1,285	1,382	1,428
Non-S&E[2]	12,893	13,296	14,665	15,670	16,844	17,743	18,506	19,094	21,531
	American Indians or Alaskan Natives								
Total, all fields	1,895	2,151	2,401	2,562	2,669	2,811	2,915	3,079	3,357
Science and engineering	691	785	901	1,005	1,077	1,108	1,121	1,213	1,271
Engineering	131	151	142	179	176	195	195	206	239
Sciences	560	634	759	826	901	913	926	1,007	1,032
Natural sciences	230	244	286	318	378	378	388	452	453
Physical science[1]	46	38	61	52	66	74	57	65	55
Mathematical science	18	22	27	29	29	30	28	39	33
Computer science	49	48	53	59	73	50	69	72	108
Biological science	84	93	103	112	128	143	156	191	156
Agricultural science	33	43	42	66	82	81	78	85	101
Social sciences	330	390	473	508	523	535	538	555	579
Social science	261	300	380	395	403	403	414	408	451
Psychology	69	90	93	113	120	132	124	147	128
Non-S&E[2]	1,204	1,366	1,500	1,557	1,592	1,703	1,794	1,866	2,086
	U.S. citizens and permanent residents, unknown race/ethnicity								
Total, all fields	12,293	11,887	11,825	12,159	12,985	13,114	13,195	14,219	19,143
Science and engineering	4,860	4,621	4,639	4,817	5,139	5,524	5,620	5,832	7,457
Engineering	1,095	986	1,020	1,054	1,103	1,227	1,125	1,109	1,318
Sciences	3,765	3,635	3,619	3,763	4,036	4,297	4,495	4,723	6,139
Natural sciences	1,417	1,513	1,390	1,501	1,734	1,805	2,016	2,153	2,918
Physical science[1]	224	259	271	249	298	311	308	319	360
Mathematical science	172	149	137	161	165	160	161	148	239
Computer science	491	443	341	362	394	380	613	707	1,120
Biological science	462	483	486	528	628	694	717	752	883
Agricultural science	68	179	155	201	249	260	217	227	316
Social sciences	2,348	2,122	2,229	2,262	2,302	2,492	2,479	2,570	3,221
Social science	1,917	1,685	1,780	1,759	1,794	1,973	1,968	2,023	2,589
Psychology	431	437	449	503	508	519	511	547	632
Non-S&E[2]	7,433	7,266	7,186	7,342	7,846	7,590	7,575	8,387	11,686

See explanatory information and SOURCE at end of table.

Table 5. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens [4]								
Total, all fields	18,227	17,106	19,052	19,743	21,118	21,431	21,623	21,452	20,614
Science and engineering	8,983	8,341	9,394	9,462	9,934	9,786	9,562	9,477	9,224
Engineering	4,112	3,752	4,041	3,992	4,244	4,142	4,121	4,015	3,724
Sciences	4,871	4,589	5,353	5,470	5,690	5,644	5,441	5,462	5,500
Natural sciences	2,995	2,808	3,271	3,230	3,291	3,169	3,014	3,077	3,314
Physical science [1]	411	417	525	467	473	437	431	429	353
Mathematical science	374	358	345	364	358	386	320	292	306
Computer science	1,463	1,419	1,601	1,667	1,668	1,573	1,431	1,507	1,976
Biological science	544	479	569	575	622	613	669	679	546
Agricultural science	203	133	231	157	170	160	163	170	133
Social sciences	1,876	1,783	2,082	2,240	2,399	2,475	2,427	2,385	2,186
Social science	1,698	1,608	1,862	2,033	2,167	2,200	2,172	2,089	1,912
Psychology	178	175	220	207	232	275	255	296	274
Non-S&E [2]	9,244	8,765	9,658	10,281	11,182	11,645	12,061	11,975	11,390

1 In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

2 Non-S&E refers to non-science and non-engineering.

3 Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

4 Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 6. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total, all fields	599,045	624,677	641,742	646,080	643,290	651,815	661,307	673,865	716,963
Science and engineering	155,286	167,663	174,047	178,888	183,731	189,307	194,420	198,116	209,026
Engineering	9,664	9,628	9,974	10,393	10,941	11,301	11,460	11,329	12,197
Sciences	145,622	158,035	164,073	168,495	172,790	178,006	182,960	186,786	196,829
Natural sciences	43,504	46,430	48,887	51,836	55,854	59,351	62,716	65,464	69,959
Physical science [1]	5,208	5,610	5,814	6,272	6,816	7,187	7,424	7,593	7,607
Mathematical science	6,980	6,928	7,011	6,677	6,441	6,025	5,931	5,745	5,718
Computer science	7,514	7,184	6,912	6,992	7,034	6,739	6,809	7,245	10,211
Biological science	20,636	22,728	24,766	26,899	29,848	32,809	35,222	37,065	37,884
Agricultural science	3,166	3,980	4,364	4,996	5,715	6,591	7,330	7,816	8,539
Social sciences	102,118	111,605	115,186	116,659	116,936	118,655	120,244	121,322	126,870
Social science	59,380	64,699	65,964	65,640	63,973	64,792	65,001	65,922	69,756
Psychology	42,738	46,906	49,222	51,019	52,963	53,863	55,243	55,400	57,114
Non-S&E [2]	443,759	457,014	467,695	467,192	459,559	462,508	466,887	475,750	507,937
	U.S. citizens and permanent residents, total [3]								
Total, all fields	587,615	613,236	628,423	631,596	627,394	635,459	644,156	656,430	698,782
Science and engineering	151,545	163,766	169,639	174,421	178,911	184,246	189,185	192,864	203,019
Engineering	9,194	9,157	9,510	9,845	10,375	10,681	10,784	10,701	11,391
Sciences	142,351	154,609	160,129	164,576	168,536	173,565	178,401	182,163	191,628
Natural sciences	41,943	44,867	47,072	50,117	53,995	57,459	60,819	63,565	67,707
Physical science [1]	5,011	5,420	5,575	6,026	6,566	6,938	7,184	7,347	7,382
Mathematical science	6,776	6,694	6,804	6,479	6,206	5,853	5,725	5,581	5,549
Computer science	6,940	6,629	6,309	6,386	6,407	6,132	6,241	6,623	9,308
Biological science	20,117	22,214	24,118	26,319	29,169	32,057	34,431	36,322	37,055
Agricultural science	3,099	3,910	4,266	4,907	5,627	6,479	7,238	7,692	8,413
Social sciences	100,408	109,742	113,057	114,459	114,541	116,106	117,582	118,598	123,921
Social science	58,183	63,325	64,445	64,088	62,288	62,984	63,133	64,072	67,797
Psychology	42,225	46,417	48,612	50,371	52,253	53,122	54,449	54,526	56,124
Non-S&E [2]	436,070	449,470	458,784	457,175	448,483	451,213	454,971	463,566	495,763
	White, non-Hispanics								
Total, all fields	481,618	498,936	504,363	497,913	485,630	484,996	485,218	489,011	506,958
Science and engineering	119,503	128,394	131,108	132,371	133,042	135,193	136,131	136,825	140,121
Engineering	6,470	6,513	6,609	6,857	6,941	7,121	7,045	6,913	7,266
Sciences	113,033	121,881	124,499	125,514	126,101	128,072	129,086	129,912	132,855
Natural sciences	31,807	34,007	35,353	37,081	39,378	41,545	43,407	44,712	46,514
Physical science [1]	3,942	4,248	4,327	4,658	4,946	5,122	5,225	5,276	5,218
Mathematical science	5,530	5,468	5,538	5,169	4,887	4,584	4,399	4,194	4,096
Computer science	4,433	4,273	3,626	3,794	3,739	3,546	3,556	3,679	4,866
Biological science	15,090	16,476	17,787	19,060	20,838	22,615	23,937	24,946	25,163
Agricultural science	2,812	3,542	3,875	4,400	4,968	5,678	6,290	6,617	7,171
Social sciences	81,226	87,874	89,146	88,433	86,723	86,527	85,679	85,200	86,341
Social science	46,369	49,815	49,885	48,454	46,050	45,792	44,853	44,893	46,338
Psychology	34,857	38,059	39,261	39,979	40,673	40,735	40,826	40,307	40,003
Non-S&E [2]	362,115	370,542	373,255	365,542	352,588	349,803	349,087	352,186	366,837

See explanatory information and SOURCE at end of table.

Table 6. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Asians/Pacific Islanders								
Total, all fields	20,952	23,426	25,768	28,255	30,947	33,163	35,626	37,400	40,697
Science and engineering	8,610	9,437	10,372	11,453	13,089	14,016	15,225	16,073	17,217
Engineering	1,251	1,198	1,277	1,281	1,445	1,436	1,474	1,567	1,664
Sciences	7,359	8,239	9,095	10,172	11,644	12,580	13,751	14,506	15,553
Natural sciences	3,446	3,713	4,144	4,680	5,524	6,051	6,719	6,988	7,624
Physical science[1]	377	386	423	448	563	651	739	773	724
Mathematical science	433	371	413	403	446	396	383	394	468
Computer science	742	709	753	771	782	751	837	882	1,700
Biological science	1,823	2,172	2,470	2,967	3,576	4,080	4,528	4,686	4,458
Agricultural science	71	75	85	91	157	173	232	253	274
Social sciences	3,913	4,526	4,951	5,492	6,120	6,529	7,032	7,518	7,929
Social science	2,592	2,996	3,151	3,522	3,758	3,988	4,170	4,474	4,779
Psychology	1,321	1,530	1,800	1,970	2,362	2,541	2,862	3,044	3,150
Non-S&E[2]	12,342	13,989	15,396	16,802	17,858	19,147	20,401	21,327	23,480
	Underrepresented minorities, total								
Total, all fields	71,608	78,753	85,486	92,535	96,890	103,013	108,052	113,261	127,305
Science and engineering	19,655	22,493	24,522	26,821	28,609	30,714	33,017	34,671	38,403
Engineering	1,299	1,325	1,453	1,562	1,800	1,918	2,053	2,034	2,165
Sciences	18,356	21,168	23,069	25,259	26,809	28,796	30,964	32,637	36,238
Natural sciences	5,734	6,272	6,744	7,393	7,927	8,657	9,246	10,130	11,341
Physical science[1]	600	680	736	806	934	1,032	1,072	1,087	1,227
Mathematical science	677	757	746	808	769	767	830	873	833
Computer science	1,534	1,478	1,588	1,672	1,725	1,692	1,612	1,781	2,313
Biological science	2,752	3,158	3,472	3,790	4,157	4,709	5,197	5,770	6,288
Agricultural science	171	199	202	317	342	457	535	619	680
Social sciences	12,622	14,896	16,325	17,866	18,882	20,139	21,718	22,507	24,897
Social science	7,658	9,057	9,905	10,587	10,879	11,481	12,293	12,704	13,882
Psychology	4,964	5,839	6,420	7,279	8,003	8,658	9,425	9,803	11,015
Non-S&E[2]	51,953	56,260	60,964	65,714	68,281	72,299	75,035	78,590	88,902
	Black, non-Hispanics								
Total, all fields	40,771	44,793	48,293	52,210	54,289	57,331	59,341	62,225	68,564
Science and engineering	11,539	13,056	14,322	15,483	16,401	17,355	18,497	19,248	21,079
Engineering	745	748	813	875	999	1,036	1,057	1,041	1,089
Sciences	10,794	12,308	13,509	14,608	15,402	16,319	17,440	18,207	19,990
Natural sciences	3,296	3,692	4,100	4,413	4,707	5,079	5,383	5,744	6,390
Physical science[1]	362	435	466	457	539	618	644	606	669
Mathematical science	431	530	521	535	519	513	561	542	503
Computer science	1,026	998	1,164	1,237	1,257	1,197	1,158	1,257	1,593
Biological science	1,415	1,636	1,856	2,053	2,250	2,575	2,819	3,102	3,355
Agricultural science	62	93	93	131	142	176	201	237	270
Social sciences	7,498	8,616	9,409	10,195	10,695	11,240	12,057	12,463	13,600
Social science	4,689	5,419	5,890	6,191	6,356	6,630	7,001	7,155	7,674
Psychology	2,809	3,197	3,519	4,004	4,339	4,610	5,056	5,308	5,926
Non-S&E[2]	29,232	31,737	33,971	36,727	37,888	39,976	40,844	42,977	47,485

See explanatory information and SOURCE at end of table.

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Table 6. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Hispanics								
Total, all fields	28,246	30,981	34,020	36,823	38,816	41,680	44,388	46,409	53,667
Science and engineering	7,463	8,661	9,282	10,339	11,159	12,199	13,222	14,103	15,813
Engineering	527	546	606	648	756	834	929	946	987
Sciences	6,936	8,115	8,676	9,691	10,403	11,365	12,293	13,157	14,826
Natural sciences	2,247	2,395	2,426	2,723	2,923	3,255	3,511	4,008	4,489
Physical science[1]	215	220	238	318	363	384	385	440	505
Mathematical science	221	203	197	243	221	231	241	304	292
Computer science	477	449	396	416	431	456	426	490	662
Biological science	1,245	1,434	1,508	1,603	1,750	1,961	2,195	2,460	2,710
Agricultural science	89	89	87	143	158	223	264	314	320
Social sciences	4,689	5,720	6,250	6,968	7,480	8,110	8,782	9,149	10,337
Social science	2,700	3,299	3,591	3,974	4,103	4,400	4,785	5,022	5,638
Psychology	1,989	2,421	2,659	2,994	3,377	3,710	3,997	4,127	4,699
Non-S&E[2]	20,783	22,320	24,738	26,484	27,657	29,481	31,166	32,306	37,854
	American Indians or Alaskan Natives								
Total, all fields	2,591	2,979	3,173	3,502	3,785	4,002	4,323	4,627	5,074
Science and engineering	653	776	918	999	1,049	1,160	1,298	1,320	1,511
Engineering	27	31	34	39	45	48	67	47	89
Sciences	626	745	884	960	1,004	1,112	1,231	1,273	1,422
Natural sciences	191	185	218	257	297	323	352	378	462
Physical science[1]	23	25	32	31	32	30	43	41	53
Mathematical science	25	24	28	30	29	23	28	27	38
Computer science	31	31	28	19	37	39	28	34	58
Biological science	92	88	108	134	157	173	183	208	223
Agricultural science	20	17	22	43	42	58	70	68	90
Social sciences	435	560	666	703	707	789	879	895	960
Social science	269	339	424	422	420	451	507	527	570
Psychology	166	221	242	281	287	338	372	368	390
Non-S&E[2]	1,938	2,203	2,255	2,503	2,736	2,842	3,025	3,307	3,563
	U.S. citizens and permanent residents, unknown race/ethnicity								
Total, all fields	13,437	12,121	12,806	12,893	13,927	14,287	15,260	16,758	23,822
Science and engineering	3,777	3,442	3,637	3,776	4,171	4,323	4,812	5,295	7,278
Engineering	174	121	171	145	189	206	212	187	296
Sciences	3,603	3,321	3,466	3,631	3,982	4,117	4,600	5,108	6,982
Natural sciences	956	875	831	963	1,166	1,206	1,447	1,735	2,228
Physical science[1]	92	106	89	114	123	133	148	211	213
Mathematical science	136	98	107	99	104	106	113	120	152
Computer science	231	169	142	149	161	143	236	281	429
Biological science	452	408	389	502	618	653	769	920	1,146
Agricultural science	45	94	104	99	160	171	181	203	288
Social sciences	2,647	2,446	2,635	2,668	2,816	2,911	3,153	3,373	4,754
Social science	1,564	1,457	1,504	1,525	1,601	1,723	1,817	2,001	2,798
Psychology	1,083	989	1,131	1,143	1,215	1,188	1,336	1,372	1,956
Non-S&E[2]	9,660	8,679	9,169	9,117	9,756	9,964	10,448	11,463	16,544

See explanatory information and SOURCE at end of table.

Table 6. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens [4]								
Total, all fields	11,430	11,441	13,319	14,484	15,896	16,356	17,151	17,435	18,181
Science and engineering	3,741	3,897	4,408	4,467	4,820	5,061	5,235	5,251	6,007
Engineering	470	471	464	548	566	620	676	628	806
Sciences	3,271	3,426	3,944	3,919	4,254	4,441	4,559	4,623	5,201
Natural sciences	1,561	1,563	1,815	1,719	1,859	1,892	1,897	1,899	2,252
Physical science [1]	197	190	239	246	250	249	240	246	225
Mathematical science	204	234	207	198	235	172	206	164	169
Computer science	574	555	603	606	627	607	568	622	903
Biological science	519	514	648	580	659	752	791	743	829
Agricultural science	67	70	118	89	88	112	92	124	126
Social sciences	1,710	1,863	2,129	2,200	2,395	2,549	2,662	2,724	2,949
Social science	1,197	1,374	1,519	1,552	1,685	1,808	1,868	1,850	1,959
Psychology	513	489	610	648	710	741	794	874	990
Non-S&E [2]	7,689	7,544	8,911	10,017	11,076	11,295	11,916	12,184	12,174

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

[3] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[4] Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 7. Number of earned master's degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total, all fields	338,498	354,207	370,973	389,008	399,428	408,932	420,954	431,871	456,260
Science and engineering	72,828	76,184	81,415	86,080	88,431	88,730	86,697	87,144	88,191
Engineering	24,007	25,010	27,658	28,707	28,617	27,757	25,870	26,128	25,722
Sciences	48,821	51,174	53,757	57,373	59,814	60,973	60,827	61,016	62,469
Natural sciences	25,669	26,775	27,713	28,869	29,292	30,353	29,919	30,532	32,230
Physical science [1]	5,282	5,352	5,365	5,688	5,735	5,854	5,579	5,398	4,858
Mathematical science	3,632	4,019	4,084	4,108	4,190	4,037	3,790	3,700	3,422
Computer science	9,324	9,530	10,167	10,421	10,332	10,223	10,107	11,270	13,848
Biological science	4,806	4,816	4,798	5,217	5,423	6,207	6,497	6,283	6,228
Agricultural science	2,625	3,058	3,299	3,435	3,612	4,032	3,946	3,881	3,874
Social sciences	23,152	24,399	26,044	28,504	30,522	30,620	30,908	30,484	30,239
Social science	13,350	14,119	15,024	16,230	16,501	16,758	16,466	16,574	15,699
Psychology	9,802	10,280	11,020	12,274	14,021	13,862	14,442	13,910	14,540
Non-S&E [2]	265,670	278,023	289,558	302,928	310,997	320,202	334,257	344,727	368,069
	U.S. citizens and permanent residents, total [3]								
Total, all fields	300,887	314,555	326,864	342,502	350,672	360,682	371,477	379,666	400,689
Science and engineering	55,779	58,177	61,265	65,201	67,110	68,151	66,609	65,748	64,577
Engineering	16,487	17,111	18,539	19,350	18,921	18,762	17,236	16,970	15,900
Sciences	39,292	41,066	42,726	45,851	48,189	49,389	49,373	48,778	48,677
Natural sciences	18,935	19,459	19,651	20,451	20,957	22,028	21,764	21,758	22,000
Physical science [1]	3,778	3,814	3,763	3,918	3,980	4,119	3,933	3,898	3,523
Mathematical science	2,573	2,907	2,946	3,013	3,034	2,956	2,789	2,671	2,275
Computer science	6,505	6,361	6,388	6,509	6,452	6,352	6,172	6,523	7,357
Biological science	4,057	4,021	3,949	4,284	4,543	5,230	5,589	5,392	5,490
Agricultural science	2,022	2,356	2,605	2,727	2,948	3,371	3,281	3,274	3,355
Social sciences	20,357	21,607	23,075	25,400	27,232	27,361	27,609	27,020	26,677
Social science	10,872	11,629	12,387	13,487	13,695	13,938	13,584	13,579	12,619
Psychology	9,485	9,978	10,688	11,913	13,537	13,423	14,025	13,441	14,058
Non-S&E [2]	245,108	256,378	265,599	277,301	283,562	292,531	304,868	313,918	336,112
	White, non-Hispanics								
Total, all fields	247,524	257,062	265,668	273,913	277,437	282,713	288,353	291,962	297,226
Science and engineering	44,513	45,649	47,975	50,711	51,417	51,791	50,286	49,047	46,189
Engineering	12,635	12,752	13,920	14,469	13,821	13,573	12,490	12,079	11,007
Sciences	31,878	32,897	34,055	36,242	37,596	38,218	37,798	36,968	35,182
Natural sciences	15,005	15,136	15,322	15,524	15,789	16,672	16,347	16,134	15,576
Physical science [1]	3,129	3,067	3,078	3,145	3,179	3,326	3,173	3,129	2,811
Mathematical science	2,068	2,336	2,354	2,379	2,342	2,227	2,145	2,036	1,716
Computer science	4,637	4,407	4,464	4,286	4,205	4,113	3,868	3,976	4,061
Biological science	3,353	3,251	3,144	3,453	3,589	4,080	4,342	4,156	4,112
Agricultural science	1,818	2,075	2,282	2,261	2,474	2,926	2,819	2,837	2,876
Social sciences	16,873	17,761	18,733	20,718	21,807	21,546	21,451	20,834	19,606
Social science	8,900	9,523	9,923	10,758	10,700	10,807	10,350	10,413	9,289
Psychology	7,973	8,238	8,810	9,960	11,107	10,739	11,101	10,421	10,317
Non-S&E [2]	203,011	211,413	217,693	223,202	226,020	230,922	238,065	242,915	251,037

See explanatory information and SOURCE at end of table.

Table 7. Number of earned master's degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Asians/Pacific Islanders								
Total, all fields	11,070	12,293	13,169	14,559	15,906	17,281	17,912	19,936	21,412
Science and engineering	4,310	4,763	4,846	5,422	5,683	5,942	5,845	6,178	6,609
Engineering	2,008	2,223	2,260	2,443	2,572	2,621	2,319	2,450	2,379
Sciences	2,302	2,540	2,586	2,979	3,111	3,321	3,526	3,728	4,230
Natural sciences	1,735	1,916	1,918	2,159	2,280	2,405	2,487	2,679	3,101
Physical science[1]	251	295	249	284	288	304	308	278	262
Mathematical science	189	201	197	233	239	235	248	215	203
Computer science	1,014	1,105	1,106	1,228	1,239	1,237	1,268	1,527	1,955
Biological science	231	264	305	332	417	519	558	576	586
Agricultural science	50	51	61	82	97	110	105	83	95
Social sciences	567	624	668	820	831	916	1,039	1,049	1,129
Social science	397	441	477	550	533	586	665	655	644
Psychology	170	183	191	270	298	330	374	394	485
Non-S&E[2]	6,760	7,530	8,323	9,137	10,223	11,339	12,067	13,758	14,803
	Underrepresented minorities, total								
Total, all fields	26,666	28,904	31,612	35,731	38,401	41,675	45,152	47,983	56,207
Science and engineering	4,026	4,360	4,899	5,636	6,223	6,552	7,031	7,176	7,774
Engineering	906	996	1,195	1,368	1,419	1,478	1,492	1,575	1,574
Sciences	3,120	3,364	3,704	4,268	4,804	5,074	5,539	5,601	6,200
Natural sciences	1,195	1,258	1,358	1,569	1,625	1,680	1,826	1,787	1,987
Physical science[1]	182	209	231	257	295	253	299	319	268
Mathematical science	194	147	184	190	237	248	242	252	210
Computer science	425	480	484	552	561	576	599	583	760
Biological science	286	307	312	297	349	406	467	399	509
Agricultural science	108	115	147	273	183	197	219	234	240
Social sciences	1,925	2,106	2,346	2,699	3,179	3,394	3,713	3,814	4,213
Social science	1,031	1,118	1,282	1,443	1,575	1,658	1,719	1,778	1,847
Psychology	894	988	1,064	1,256	1,604	1,736	1,994	2,036	2,366
Non-S&E[2]	22,640	24,544	26,713	30,095	32,178	35,123	38,121	40,807	48,433
	Black, non-Hispanics								
Total, all fields	15,857	17,420	18,897	20,936	22,954	24,588	26,948	28,616	33,305
Science and engineering	2,090	2,356	2,554	2,849	3,339	3,518	3,817	3,756	4,115
Engineering	398	466	564	589	665	674	674	714	658
Sciences	1,692	1,890	1,990	2,260	2,674	2,844	3,143	3,042	3,457
Natural sciences	644	699	716	821	881	932	1,010	957	1,003
Physical science[1]	73	98	105	127	147	116	144	146	124
Mathematical science	100	77	98	109	151	151	157	150	103
Computer science	283	316	308	365	347	379	377	376	472
Biological science	137	149	135	142	162	198	236	190	220
Agricultural science	51	59	70	78	74	88	96	95	84
Social sciences	1,048	1,191	1,274	1,439	1,793	1,912	2,133	2,085	2,454
Social science	594	660	730	803	930	965	1,010	1,012	1,061
Psychology	454	531	544	636	863	947	1,123	1,073	1,393
Non-S&E[2]	13,767	15,064	16,343	18,087	19,615	21,070	23,131	24,860	29,190

See explanatory information and SOURCE at end of table.

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Table 7. Number of earned master's degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Hispanics								
Total, all fields	9,684	10,256	11,371	13,177	13,905	15,394	16,360	17,416	20,803
Science and engineering	1,736	1,806	2,092	2,514	2,585	2,730	2,882	3,071	3,319
Engineering	468	488	581	719	711	748	765	807	852
Sciences	1,268	1,318	1,511	1,795	1,874	1,982	2,117	2,264	2,467
Natural sciences	494	503	574	680	665	677	720	737	882
Physical science[1]	96	93	114	114	129	127	139	149	126
Mathematical science	85	66	78	75	75	91	71	91	97
Computer science	128	149	162	169	198	173	197	193	262
Biological science	136	146	151	138	167	191	208	188	264
Agricultural science	49	49	69	184	96	95	105	116	133
Social sciences	774	815	937	1,115	1,209	1,305	1,397	1,527	1,585
Social science	383	396	474	557	553	596	626	676	686
Psychology	391	419	463	558	656	709	771	851	899
Non-S&E[2]	7,948	8,450	9,279	10,663	11,320	12,664	13,478	14,345	17,484
	American Indians or Alaskan Natives								
Total, all fields	1,125	1,228	1,344	1,618	1,542	1,693	1,844	1,951	2,099
Science and engineering	200	198	253	273	299	304	332	349	340
Engineering	40	42	50	60	43	56	53	54	64
Sciences	160	156	203	213	256	248	279	295	276
Natural sciences	57	56	68	68	79	71	96	93	102
Physical science[1]	13	18	12	16	19	10	16	24	18
Mathematical science	9	4	8	6	11	6	14	11	10
Computer science	14	15	14	18	16	24	25	14	26
Biological science	13	12	26	17	20	17	23	21	25
Agricultural science	8	7	8	11	13	14	18	23	23
Social sciences	103	100	135	145	177	177	183	202	174
Social science	54	62	78	83	92	97	83	90	100
Psychology	49	38	57	62	85	80	100	112	74
Non-S&E[2]	925	1,030	1,091	1,345	1,243	1,389	1,512	1,602	1,759
	U.S. citizens and permanent residents, unknown race/ethnicity								
Total, all fields	15,627	16,296	16,415	18,299	18,928	19,013	20,060	19,785	25,844
Science and engineering	2,930	3,405	3,545	3,432	3,787	3,866	3,445	3,347	4,005
Engineering	938	1,140	1,164	1,070	1,109	1,090	935	866	940
Sciences	1,992	2,265	2,381	2,362	2,678	2,776	2,510	2,481	3,065
Natural sciences	1,000	1,149	1,053	1,199	1,263	1,271	1,104	1,158	1,336
Physical science[1]	216	243	205	232	218	236	153	172	182
Mathematical science	122	223	211	211	216	246	154	168	146
Computer science	429	369	334	443	447	426	437	437	581
Biological science	187	199	188	202	188	225	222	261	283
Agricultural science	46	115	115	111	194	138	138	120	144
Social sciences	992	1,116	1,328	1,163	1,415	1,505	1,406	1,323	1,729
Social science	544	547	705	736	887	887	850	733	839
Psychology	448	569	623	427	528	618	556	590	890
Non-S&E[2]	12,697	12,891	12,870	14,867	15,141	15,147	16,615	16,438	21,839

See explanatory information and SOURCE at end of table.

Table 7. Number of earned master's degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens [4]								
Total, all fields	37,611	39,652	44,109	46,506	48,756	48,250	49,477	52,205	55,571
Science and engineering	17,049	18,007	20,150	20,879	21,321	20,579	20,088	21,396	23,614
Engineering	7,520	7,899	9,119	9,357	9,696	8,995	8,634	9,158	9,822
Sciences	9,529	10,108	11,031	11,522	11,625	11,584	11,454	12,238	13,792
Natural sciences	6,734	7,316	8,062	8,418	8,335	8,325	8,155	8,774	10,230
Physical science [1]	1,504	1,538	1,602	1,770	1,755	1,735	1,646	1,500	1,335
Mathematical science	1,059	1,112	1,138	1,095	1,156	1,081	1,001	1,029	1,147
Computer science	2,819	3,169	3,779	3,912	3,880	3,871	3,935	4,747	6,491
Biological science	749	795	849	933	880	977	908	891	738
Agricultural science	603	702	694	708	664	661	665	607	519
Social sciences	2,795	2,792	2,969	3,104	3,290	3,259	3,299	3,464	3,562
Social science	2,478	2,490	2,637	2,743	2,806	2,820	2,882	2,995	3,080
Psychology	317	302	332	361	484	439	417	469	482
Non-S&E [2]	20,562	21,645	23,959	25,627	27,435	27,671	29,389	30,809	31,957

1 In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

2 Non-S&E refers to non-science and non-engineering.

3 Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

4 Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 8. Number of earned master's degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total, all fields	156,895	162,299	169,753	176,762	179,198	180,360	181,457	185,061	191,234
Science and engineering	47,748	49,768	53,102	55,461	55,803	54,928	52,181	52,219	50,702
Engineering	20,650	21,345	23,565	24,286	23,986	23,005	21,176	20,970	20,383
Sciences	27,098	28,423	29,537	31,175	31,817	31,923	31,005	31,249	30,319
Natural sciences	16,530	17,480	18,076	18,813	18,926	19,185	18,551	18,834	19,074
Physical science [1]	3,825	3,895	3,803	4,030	4,000	3,968	3,758	3,464	3,130
Mathematical science	2,146	2,457	2,468	2,541	2,549	2,468	2,245	2,207	1,888
Computer science	6,563	6,884	7,411	7,727	7,630	7,500	7,252	8,000	9,219
Biological science	2,315	2,316	2,365	2,475	2,616	2,925	3,048	2,994	2,786
Agricultural science	1,681	1,928	2,029	2,040	2,131	2,324	2,248	2,169	2,051
Social sciences	10,568	10,943	11,461	12,362	12,891	12,738	12,454	12,415	11,245
Social science	7,574	7,939	8,419	8,945	8,981	8,910	8,585	8,680	7,688
Psychology	2,994	3,004	3,042	3,417	3,910	3,828	3,869	3,735	3,557
Non-S&E [2]	109,147	112,531	116,651	121,301	123,395	125,432	129,276	132,842	140,532
	U.S. citizens and permanent residents, total [3]								
Total, all fields	131,745	136,062	140,932	146,621	148,039	150,310	151,256	153,581	158,445
Science and engineering	34,667	36,063	37,737	39,700	39,784	39,968	37,795	37,164	34,864
Engineering	13,977	14,350	15,542	16,140	15,624	15,402	13,990	13,535	12,588
Sciences	20,690	21,713	22,195	23,560	24,160	24,566	23,805	23,629	22,276
Natural sciences	11,839	12,393	12,504	12,985	13,134	13,545	13,085	13,061	12,748
Physical science [1]	2,755	2,784	2,685	2,794	2,778	2,781	2,618	2,483	2,235
Mathematical science	1,463	1,745	1,717	1,803	1,765	1,758	1,582	1,542	1,235
Computer science	4,419	4,504	4,600	4,779	4,725	4,613	4,416	4,628	5,028
Biological science	1,945	1,931	1,959	2,013	2,164	2,470	2,638	2,602	2,499
Agricultural science	1,257	1,429	1,543	1,596	1,702	1,923	1,831	1,806	1,751
Social sciences	8,851	9,320	9,691	10,575	11,026	11,021	10,720	10,568	9,528
Social science	5,961	6,411	6,760	7,288	7,264	7,317	6,978	6,949	6,096
Psychology	2,890	2,909	2,931	3,287	3,762	3,704	3,742	3,619	3,432
Non-S&E [2]	97,078	99,999	103,195	106,921	108,255	110,342	113,461	116,417	123,581
	White, non-Hispanics								
Total, all fields	107,917	110,797	113,717	116,758	116,655	117,559	117,942	118,464	117,915
Science and engineering	27,634	28,113	29,493	30,846	30,464	30,591	28,930	28,066	25,279
Engineering	10,742	10,775	11,777	12,232	11,581	11,383	10,385	9,862	8,971
Sciences	16,892	17,338	17,716	18,614	18,883	19,208	18,545	18,204	16,308
Natural sciences	9,491	9,675	9,837	9,964	10,031	10,429	10,104	9,877	9,189
Physical science [1]	2,299	2,234	2,229	2,252	2,256	2,288	2,172	2,044	1,804
Mathematical science	1,169	1,389	1,332	1,420	1,354	1,326	1,239	1,201	948
Computer science	3,260	3,236	3,326	3,309	3,231	3,170	2,978	3,040	3,031
Biological science	1,629	1,566	1,593	1,643	1,740	1,958	2,108	2,008	1,883
Agricultural science	1,134	1,250	1,357	1,340	1,450	1,687	1,607	1,584	1,523
Social sciences	7,401	7,663	7,879	8,650	8,852	8,779	8,441	8,327	7,119
Social science	4,981	5,276	5,453	5,880	5,750	5,758	5,428	5,457	4,600
Psychology	2,420	2,387	2,426	2,770	3,102	3,021	3,013	2,870	2,519
Non-S&E [2]	80,283	82,684	84,224	85,912	86,191	86,968	89,012	90,398	92,636

See explanatory information and SOURCE at end of table.

Table 8. Number of earned master's degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Asians/Pacific Islanders								
Total, all fields	6,220	6,823	7,125	7,791	8,385	8,877	8,585	9,638	10,105
Science and engineering	2,959	3,276	3,237	3,561	3,733	3,726	3,453	3,707	3,784
Engineering	1,685	1,816	1,819	1,932	2,023	2,000	1,758	1,823	1,719
Sciences	1,274	1,460	1,418	1,629	1,710	1,726	1,695	1,884	2,065
Natural sciences	1,031	1,169	1,149	1,279	1,359	1,361	1,324	1,503	1,697
Physical science[1]	165	206	150	182	187	168	168	150	154
Mathematical science	108	103	121	126	134	132	125	111	95
Computer science	627	705	710	785	785	775	755	909	1,124
Biological science	104	125	136	151	209	237	244	290	287
Agricultural science	27	30	32	35	44	49	32	43	37
Social sciences	243	291	269	350	351	365	371	381	368
Social science	196	229	219	276	272	287	285	288	258
Psychology	47	62	50	74	79	78	86	93	110
Non-S&E[2]	3,261	3,547	3,888	4,230	4,652	5,151	5,132	5,931	6,321
	Underrepresented minorities, total								
Total, all fields	10,207	10,676	11,903	13,144	13,984	14,735	15,607	16,694	19,091
Science and engineering	2,129	2,340	2,637	2,964	3,143	3,197	3,370	3,418	3,570
Engineering	711	775	924	1,052	1,082	1,095	1,084	1,145	1,150
Sciences	1,418	1,565	1,713	1,912	2,061	2,102	2,286	2,273	2,420
Natural sciences	664	728	764	899	905	912	975	952	1,043
Physical science[1]	124	144	142	167	185	145	171	181	155
Mathematical science	112	92	102	111	122	140	135	126	111
Computer science	244	283	308	337	361	347	365	363	456
Biological science	116	137	132	125	136	170	187	173	207
Agricultural science	68	72	80	159	101	110	117	109	114
Social sciences	754	837	949	1,013	1,156	1,190	1,311	1,321	1,377
Social science	482	556	672	692	734	749	809	806	807
Psychology	272	281	277	321	422	441	502	515	570
Non-S&E[2]	8,076	8,336	9,266	10,180	10,841	11,538	12,237	13,276	15,521
	Black, non-Hispanics								
Total, all fields	5,619	5,794	6,472	7,007	7,636	7,998	8,444	9,107	10,309
Science and engineering	1,028	1,166	1,253	1,376	1,534	1,565	1,617	1,646	1,679
Engineering	299	332	407	422	464	464	449	470	451
Sciences	729	834	846	954	1,070	1,101	1,168	1,176	1,228
Natural sciences	338	382	386	435	434	467	484	485	478
Physical science[1]	43	66	58	74	86	59	74	81	65
Mathematical science	53	44	48	62	64	78	77	71	48
Computer science	150	175	193	205	199	205	208	229	258
Biological science	58	61	47	48	50	76	69	68	72
Agricultural science	34	36	40	46	35	49	56	36	37
Social sciences	391	452	460	519	636	634	684	691	750
Social science	262	315	345	358	418	391	426	431	433
Psychology	129	137	115	161	218	243	258	260	317
Non-S&E[2]	4,591	4,628	5,219	5,631	6,102	6,433	6,827	7,461	8,630

See explanatory information and SOURCE at end of table.

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Table 8. Number of earned master's degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Hispanics								
Total, all fields	4,124	4,381	4,875	5,483	5,725	6,072	6,466	6,848	8,004
Science and engineering	992	1,066	1,255	1,427	1,458	1,478	1,576	1,596	1,716
Engineering	378	408	480	582	578	580	589	629	651
Sciences	614	658	775	845	880	898	987	967	1,065
Natural sciences	294	309	341	414	423	402	435	415	498
Physical science[1]	73	64	76	80	88	80	86	87	77
Mathematical science	52	47	50	44	53	57	50	51	57
Computer science	84	98	104	120	151	125	141	123	183
Biological science	54	69	76	65	75	85	107	96	122
Agricultural science	31	31	35	105	56	55	51	58	59
Social sciences	320	349	434	431	457	496	552	552	567
Social science	196	218	282	290	283	320	344	333	329
Psychology	124	131	152	141	174	176	208	219	238
Non-S&E[2]	3,132	3,315	3,620	4,056	4,267	4,594	4,890	5,252	6,288
	American Indians or Alaskan Natives								
Total, all fields	464	501	556	654	623	665	697	739	778
Science and engineering	109	108	129	161	151	154	177	176	175
Engineering	34	35	37	48	40	51	46	46	48
Sciences	75	73	92	113	111	103	131	130	127
Natural sciences	32	37	37	50	48	43	56	52	67
Physical science[1]	8	14	8	13	11	6	11	13	13
Mathematical science	7	1	4	5	5	5	8	4	6
Computer science	10	10	11	12	11	17	16	11	17
Biological science	4	7	9	12	11	9	11	9	13
Agricultural science	3	5	5	8	10	6	10	15	18
Social sciences	43	36	55	63	63	60	75	78	60
Social science	24	23	45	44	33	38	39	42	45
Psychology	19	13	10	19	30	22	36	36	15
Non-S&E[2]	355	393	427	493	472	511	520	563	603
	U.S. citizens and permanent residents, unknown race/ethnicity								
Total, all fields	7,401	7,766	8,187	8,928	9,015	9,139	9,122	8,785	11,334
Science and engineering	1,945	2,334	2,370	2,329	2,444	2,454	2,042	1,973	2,231
Engineering	839	984	1,022	924	938	924	763	705	748
Sciences	1,106	1,350	1,348	1,405	1,506	1,530	1,279	1,268	1,483
Natural sciences	653	821	754	843	839	843	682	729	819
Physical science[1]	167	200	164	193	150	180	107	108	122
Mathematical science	74	161	162	146	155	160	83	104	81
Computer science	288	280	256	348	348	321	318	316	417
Biological science	96	103	98	94	79	105	99	131	122
Agricultural science	28	77	74	62	107	77	75	70	77
Social sciences	453	529	594	562	667	687	597	539	664
Social science	302	350	416	440	508	523	456	398	431
Psychology	151	179	178	122	159	164	141	141	233
Non-S&E[2]	5,456	5,432	5,817	6,599	6,571	6,685	7,080	6,812	9,103

See explanatory information and SOURCE at end of table.

Table 8. Number of earned master's degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens [4]								
Total, all fields	25,150	26,237	28,821	30,141	31,159	30,050	30,201	31,480	32,789
Science and engineering	13,081	13,705	15,365	15,761	16,019	14,960	14,386	15,055	15,838
Engineering	6,673	6,995	8,023	8,146	8,362	7,603	7,186	7,435	7,795
Sciences	6,408	6,710	7,342	7,615	7,657	7,357	7,200	7,620	8,043
Natural sciences	4,691	5,087	5,572	5,828	5,792	5,640	5,466	5,773	6,326
Physical science [1]	1,070	1,111	1,118	1,236	1,222	1,187	1,140	981	895
Mathematical science	683	712	751	738	784	710	663	665	653
Computer science	2,144	2,380	2,811	2,948	2,905	2,887	2,836	3,372	4,191
Biological science	370	385	406	462	452	455	410	392	287
Agricultural science	424	499	486	444	429	401	417	363	300
Social sciences	1,717	1,623	1,770	1,787	1,865	1,717	1,734	1,847	1,717
Social science	1,613	1,528	1,659	1,657	1,717	1,593	1,607	1,731	1,592
Psychology	104	95	111	130	148	124	127	116	125
Non-S&E [2]	12,069	12,532	13,456	14,380	15,140	15,090	15,815	16,425	16,951

1 In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

2 Non-S&E refers to non-science and non-engineering.

3 Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

4 Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 9. Number of earned master's degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total, all fields	181,603	191,908	201,220	212,246	220,230	228,572	239,497	246,810	265,026
Science and engineering	25,080	26,416	28,313	30,619	32,628	33,802	34,516	34,925	37,489
Engineering	3,357	3,665	4,093	4,421	4,631	4,752	4,694	5,158	5,339
Sciences	21,723	22,751	24,220	26,198	27,997	29,050	29,822	29,767	32,150
Natural sciences	9,139	9,295	9,637	10,056	10,366	11,168	11,368	11,698	13,156
Physical science[1]	1,457	1,457	1,562	1,658	1,735	1,886	1,821	1,934	1,728
Mathematical science	1,486	1,562	1,616	1,567	1,641	1,569	1,545	1,493	1,534
Computer science	2,761	2,646	2,756	2,694	2,702	2,723	2,855	3,270	4,629
Biological science	2,491	2,500	2,433	2,742	2,807	3,282	3,449	3,289	3,442
Agricultural science	944	1,130	1,270	1,395	1,481	1,708	1,698	1,712	1,823
Social sciences	12,584	13,456	14,583	16,142	17,631	17,882	18,454	18,069	18,994
Social science	5,776	6,180	6,605	7,285	7,520	7,848	7,881	7,894	8,011
Psychology	6,808	7,276	7,978	8,857	10,111	10,034	10,573	10,175	10,983
Non-S&E[2]	156,523	165,492	172,907	181,627	187,602	194,770	204,981	211,885	227,537
	U.S. citizens and permanent residents, total[3]								
Total, all fields	169,142	178,493	185,932	195,881	202,633	210,372	220,221	226,085	242,244
Science and engineering	21,112	22,114	23,528	25,501	27,326	28,183	28,814	28,584	29,713
Engineering	2,510	2,761	2,997	3,210	3,297	3,360	3,246	3,435	3,312
Sciences	18,602	19,353	20,531	22,291	24,029	24,823	25,568	25,149	26,401
Natural sciences	7,096	7,066	7,147	7,466	7,823	8,483	8,679	8,697	9,252
Physical science[1]	1,023	1,030	1,078	1,124	1,202	1,338	1,315	1,415	1,288
Mathematical science	1,110	1,162	1,229	1,210	1,269	1,198	1,207	1,129	1,040
Computer science	2,086	1,857	1,788	1,730	1,727	1,739	1,756	1,895	2,329
Biological science	2,112	2,090	1,990	2,271	2,379	2,760	2,951	2,790	2,991
Agricultural science	765	927	1,062	1,131	1,246	1,448	1,450	1,468	1,604
Social sciences	11,506	12,287	13,384	14,825	16,206	16,340	16,889	16,452	17,149
Social science	4,911	5,218	5,627	6,199	6,431	6,621	6,606	6,630	6,523
Psychology	6,595	7,069	7,757	8,626	9,775	9,719	10,283	9,822	10,626
Non-S&E[2]	148,030	156,379	162,404	170,380	175,307	182,189	191,407	197,501	212,531
	White, non-Hispanics								
Total, all fields	139,607	146,265	151,951	157,155	160,782	165,154	170,411	173,498	179,311
Science and engineering	16,879	17,536	18,482	19,865	20,953	21,200	21,358	20,981	20,910
Engineering	1,893	1,977	2,143	2,237	2,240	2,190	2,105	2,217	2,036
Sciences	14,986	15,559	16,339	17,628	18,713	19,010	19,253	18,764	18,874
Natural sciences	5,514	5,461	5,485	5,560	5,758	6,243	6,243	6,257	6,387
Physical science[1]	830	833	849	893	923	1,038	1,001	1,085	1,007
Mathematical science	899	947	1,022	959	988	901	906	835	768
Computer science	1,377	1,171	1,138	977	974	943	890	936	1,030
Biological science	1,724	1,685	1,551	1,810	1,849	2,122	2,234	2,148	2,229
Agricultural science	684	825	925	921	1,024	1,239	1,212	1,253	1,353
Social sciences	9,472	10,098	10,854	12,068	12,955	12,767	13,010	12,507	12,487
Social science	3,919	4,247	4,470	4,878	4,950	5,049	4,922	4,956	4,689
Psychology	5,553	5,851	6,384	7,190	8,005	7,718	8,088	7,551	7,798
Non-S&E[2]	122,728	128,729	133,469	137,290	139,829	143,954	149,053	152,517	158,401

See explanatory information and SOURCE at end of table.

Table 9. Number of earned master's degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Asians/Pacific Islanders								
Total, all fields	4,850	5,470	6,044	6,768	7,521	8,404	9,327	10,298	11,307
Science and engineering	1,351	1,487	1,609	1,861	1,950	2,216	2,392	2,471	2,825
Engineering	323	407	441	511	549	621	561	627	660
Sciences	1,028	1,080	1,168	1,350	1,401	1,595	1,831	1,844	2,165
Natural sciences	704	747	769	880	921	1,044	1,163	1,176	1,404
Physical science [1]	86	89	99	102	101	136	140	128	108
Mathematical science	81	98	76	107	105	103	123	104	108
Computer science	387	400	396	443	454	462	513	618	831
Biological science	127	139	169	181	208	282	314	286	299
Agricultural science	23	21	29	47	53	61	73	40	58
Social sciences	324	333	399	470	480	551	668	668	761
Social science	201	212	258	274	261	299	380	367	386
Psychology	123	121	141	196	219	252	288	301	375
Non-S&E [2]	3,499	3,983	4,435	4,907	5,571	6,188	6,935	7,827	8,482
	Underrepresented minorities, total								
Total, all fields	16,459	18,228	19,709	22,587	24,417	26,940	29,545	31,289	37,116
Science and engineering	1,897	2,020	2,262	2,672	3,080	3,355	3,661	3,758	4,204
Engineering	195	221	271	316	337	383	408	430	424
Sciences	1,702	1,799	1,991	2,356	2,743	2,972	3,253	3,328	3,780
Natural sciences	531	530	594	670	720	768	851	835	944
Physical science [1]	58	65	89	90	110	108	128	138	113
Mathematical science	82	55	82	79	115	108	107	126	99
Computer science	181	197	176	215	200	229	234	220	304
Biological science	170	170	180	172	213	236	280	226	302
Agricultural science	40	43	67	114	82	87	102	125	126
Social sciences	1,171	1,269	1,397	1,686	2,023	2,204	2,402	2,493	2,836
Social science	549	562	610	751	841	909	910	972	1,040
Psychology	622	707	787	935	1,182	1,295	1,492	1,521	1,796
Non-S&E [2]	14,562	16,208	17,447	19,915	21,337	23,585	25,884	27,531	32,912
	Black, non-Hispanics								
Total, all fields	10,238	11,626	12,425	13,929	15,318	16,590	18,504	19,509	22,996
Science and engineering	1,062	1,190	1,301	1,473	1,805	1,953	2,200	2,110	2,436
Engineering	99	134	157	167	201	210	225	244	207
Sciences	963	1,056	1,144	1,306	1,604	1,743	1,975	1,866	2,229
Natural sciences	306	317	330	386	447	465	526	472	525
Physical science [1]	30	32	47	53	61	57	70	65	59
Mathematical science	47	33	50	47	87	73	80	79	55
Computer science	133	141	115	160	148	174	169	147	216
Biological science	79	88	88	94	112	122	167	122	148
Agricultural science	17	23	30	32	39	39	40	59	47
Social sciences	657	739	814	920	1,157	1,278	1,449	1,394	1,704
Social science	332	345	385	445	512	574	584	581	628
Psychology	325	394	429	475	645	704	865	813	1,076
Non-S&E [2]	9,176	10,436	11,124	12,456	13,513	14,637	16,304	17,399	20,560

See explanatory information and SOURCE at end of table.

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Table 9. Number of earned master's degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Hispanics								
Total, all fields	5,560	5,875	6,496	7,694	8,180	9,322	9,894	10,568	12,799
Science and engineering	744	740	837	1,087	1,127	1,252	1,306	1,475	1,803
Engineering	90	80	101	137	133	168	176	178	201
Sciences	654	660	736	950	994	1,084	1,130	1,297	1,602
Natural sciences	200	194	233	266	242	275	285	322	384
Physical science[1]	23	29	38	34	41	47	53	62	49
Mathematical science	33	19	28	31	22	34	21	40	40
Computer science	44	51	58	49	47	48	56	70	79
Biological science	82	77	75	73	92	106	101	92	142
Agricultural science	18	18	34	79	40	40	54	58	74
Social sciences	454	466	503	684	752	809	845	975	1,218
Social science	187	178	192	267	270	276	282	343	357
Psychology	267	288	311	417	482	533	563	632	861
Non-S&E[2]	4,816	5,135	5,659	6,607	7,053	8,070	8,588	9,093	11,196
	American Indians or Alaskan Natives								
Total, all fields	661	727	788	964	919	1,028	1,147	1,212	1,321
Science and engineering	91	90	124	112	148	150	155	173	165
Engineering	6	7	13	12	3	5	7	8	16
Sciences	85	83	111	100	145	145	148	165	149
Natural sciences	25	19	31	18	31	28	40	41	35
Physical science[1]	5	4	4	3	8	4	5	11	5
Mathematical science	2	3	4	1	6	1	6	7	4
Computer science	4	5	3	6	5	7	9	3	9
Biological science	9	5	17	5	9	8	12	12	12
Agricultural science	5	2	3	3	3	8	8	8	5
Social sciences	60	64	80	82	114	117	108	124	114
Social science	30	39	33	39	59	59	44	48	55
Psychology	30	25	47	43	55	58	64	76	59
Non-S&E[2]	570	637	664	852	771	878	992	1,039	1,156
	U.S. citizens and permanent residents, unknown race/ethnicity								
Total, all fields	8,226	8,530	8,228	9,371	9,913	9,874	10,938	11,000	14,510
Science and engineering	985	1,071	1,175	1,103	1,343	1,412	1,403	1,374	1,774
Engineering	99	156	142	146	171	166	172	161	192
Sciences	886	915	1,033	957	1,172	1,246	1,231	1,213	1,582
Natural sciences	347	328	299	356	424	428	422	429	517
Physical science[1]	49	43	41	39	68	56	46	64	60
Mathematical science	48	62	49	65	61	86	71	64	69
Computer science	141	89	78	95	99	105	119	121	164
Biological science	91	96	90	108	109	120	123	130	161
Agricultural science	18	38	41	49	87	61	63	50	67
Social sciences	539	587	734	601	748	818	809	784	1,065
Social science	242	197	289	296	379	364	394	335	408
Psychology	297	390	445	305	369	454	415	449	657
Non-S&E[2]	7,241	7,459	7,053	8,268	8,570	8,462	9,535	9,626	12,736

See explanatory information and SOURCE at end of table.

Table 9. Number of earned master's degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens [4]								
Total, all fields	12,461	13,415	15,288	16,365	17,597	18,200	19,276	20,725	22,782
Science and engineering	3,968	4,302	4,785	5,118	5,302	5,619	5,702	6,341	7,776
Engineering	847	904	1,096	1,211	1,334	1,392	1,448	1,723	2,027
Sciences	3,121	3,398	3,689	3,907	3,968	4,227	4,254	4,618	5,749
Natural sciences	2,043	2,229	2,490	2,590	2,543	2,685	2,689	3,001	3,904
Physical science [1]	434	427	484	534	533	548	506	519	440
Mathematical science	376	400	387	357	372	371	338	364	494
Computer science	675	789	968	964	975	984	1,099	1,375	2,300
Biological science	379	410	443	471	428	522	498	499	451
Agricultural science	179	203	208	264	235	260	248	244	219
Social sciences	1,078	1,169	1,199	1,317	1,425	1,542	1,565	1,617	1,845
Social science	865	962	978	1,086	1,089	1,227	1,275	1,264	1,488
Psychology	213	207	221	231	336	315	290	353	357
Non-S&E [2]	8,493	9,113	10,503	11,247	12,295	12,581	13,574	14,384	15,006

1 In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

2 Non-S&E refers to non-science and non-engineering.

3 Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

4 Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 10. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total, all fields	37,534	38,890	39,800	41,034	41,742	42,413	42,545	42,634	41,368
Science and engineering	24,023	24,675	25,443	26,205	26,534	27,228	27,240	27,277	25,979
Engineering	5,214	5,438	5,698	5,822	6,008	6,305	6,114	5,927	5,330
Sciences	18,809	19,237	19,745	20,383	20,526	20,923	21,126	21,350	20,649
Natural sciences	12,003	12,364	12,556	13,103	13,219	13,434	13,447	13,619	12,875
Physical science [1]	4,441	4,575	4,470	4,801	4,621	4,631	4,646	4,637	4,168
Mathematical science	1,039	1,058	1,146	1,118	1,190	1,122	1,123	1,177	1,048
Computer science	800	869	880	903	997	921	910	925	861
Biological science	4,650	4,799	5,092	5,203	5,375	5,723	5,786	5,843	5,855
Agricultural science	1,073	1,063	968	1,078	1,036	1,037	982	1,037	943
Social sciences	6,806	6,873	7,189	7,280	7,307	7,489	7,679	7,731	7,774
Social science	3,556	3,610	3,769	3,901	3,878	3,998	4,111	4,055	4,151
Psychology	3,250	3,263	3,420	3,379	3,429	3,491	3,568	3,676	3,623
Non-S&E [2]	13,511	14,215	14,357	14,829	15,208	15,185	15,305	15,357	15,389
	U.S. citizens and permanent residents, total [3]								
Total, all fields	27,430	27,990	28,707	30,894	32,058	31,517	31,081	31,134	29,837
Science and engineering	15,914	15,942	16,573	18,187	18,996	18,638	18,399	18,245	17,064
Engineering	2,474	2,520	2,697	3,053	3,342	3,387	3,329	3,044	2,556
Sciences	13,440	13,422	13,876	15,134	15,654	15,251	15,070	15,201	14,508
Natural sciences	8,032	8,035	8,191	9,306	9,749	9,230	9,059	9,088	8,380
Physical science [1]	2,918	2,898	2,834	3,402	3,435	3,127	3,104	3,014	2,593
Mathematical science	518	507	590	657	771	648	629	669	568
Computer science	451	489	509	543	616	514	521	558	458
Biological science	3,525	3,568	3,752	4,088	4,329	4,365	4,254	4,304	4,260
Agricultural science	620	573	506	616	598	576	551	543	501
Social sciences	5,408	5,387	5,685	5,828	5,905	6,021	6,011	6,113	6,128
Social science	2,390	2,401	2,524	2,692	2,721	2,793	2,876	2,839	2,907
Psychology	3,018	2,986	3,161	3,136	3,184	3,228	3,135	3,274	3,221
Non-S&E [2]	11,516	12,048	12,134	12,707	13,062	12,879	12,682	12,889	12,773
	White, non-Hispanics								
Total, all fields	23,186	23,626	24,052	24,595	24,721	24,690	23,953	24,285	23,651
Science and engineering	13,324	13,327	13,737	13,890	13,908	14,007	13,827	14,008	13,415
Engineering	1,837	1,880	2,025	2,020	2,093	2,262	2,247	2,170	1,878
Sciences	11,487	11,447	11,712	11,870	11,813	11,745	11,540	11,838	11,537
Natural sciences	6,886	6,823	6,836	7,003	6,966	6,790	6,779	6,977	6,632
Physical science [1]	2,526	2,459	2,366	2,529	2,388	2,336	2,370	2,376	2,117
Mathematical science	419	425	476	479	535	479	479	526	460
Computer science	355	378	410	401	452	356	361	411	337
Biological science	3,041	3,068	3,146	3,107	3,118	3,175	3,158	3,246	3,306
Agricultural science	545	493	438	487	473	444	411	418	412
Social sciences	4,601	4,624	4,876	4,867	4,847	4,955	4,761	4,861	4,905
Social science	1,949	1,988	2,069	2,137	2,120	2,211	2,238	2,211	2,304
Psychology	2,652	2,636	2,807	2,730	2,727	2,744	2,523	2,650	2,601
Non-S&E [2]	9,862	10,299	10,315	10,705	10,815	10,683	10,126	10,277	10,236

See explanatory information and SOURCE at end of table.

Table 10. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Asians/Pacific Islanders								
Total, all fields	1,531	1,764	2,017	3,546	4,309	3,699	3,120	2,722	2,315
Science and engineering	1,180	1,345	1,610	2,989	3,669	3,095	2,538	2,143	1,736
Engineering	405	451	527	867	1,033	897	707	556	447
Sciences	775	894	1,083	2,122	2,636	2,198	1,831	1,587	1,289
Natural sciences	597	698	842	1,740	2,202	1,802	1,465	1,251	960
Physical science [1]	189	254	287	689	855	580	474	384	232
Mathematical science	57	52	79	142	208	140	97	71	70
Computer science	66	86	77	117	137	111	108	91	77
Biological science	261	269	370	720	924	890	723	658	550
Agricultural science	24	37	29	72	78	81	63	47	31
Social sciences	178	196	241	382	434	396	366	336	329
Social science	119	137	168	273	312	272	239	222	180
Psychology	59	59	73	109	122	124	127	114	149
Non-S&E [2]	351	419	407	557	640	604	582	579	579
	Underrepresented minorities, total								
Total, all fields	2,166	2,174	2,372	2,452	2,677	2,747	2,847	3,115	3,223
Science and engineering	1,013	990	1,054	1,112	1,191	1,291	1,358	1,495	1,520
Engineering	122	131	118	126	156	186	210	207	171
Sciences	891	859	936	986	1,035	1,105	1,148	1,288	1,349
Natural sciences	375	374	418	475	466	497	528	578	601
Physical science [1]	129	132	146	157	139	157	157	148	178
Mathematical science	20	18	25	26	22	19	28	46	30
Computer science	21	15	14	18	17	32	22	31	32
Biological science	169	177	196	226	248	246	264	290	313
Agricultural science	36	32	37	48	40	43	57	63	48
Social sciences	516	485	518	511	569	608	620	710	748
Social science	251	231	253	242	259	263	276	315	339
Psychology	265	254	265	269	310	345	344	395	409
Non-S&E [2]	1,153	1,184	1,318	1,340	1,486	1,456	1,489	1,620	1,703
	Black, non-Hispanics								
Total, all fields	1,166	1,116	1,280	1,279	1,475	1,456	1,488	1,602	1,775
Science and engineering	464	408	469	500	560	576	623	646	728
Engineering	55	49	50	54	71	74	98	84	83
Sciences	409	359	419	446	489	502	525	562	645
Natural sciences	135	116	150	174	187	207	207	224	242
Physical science [1]	35	31	45	52	46	64	60	65	69
Mathematical science	11	4	8	11	5	8	7	16	14
Computer science	8	5	6	10	11	12	4	14	18
Biological science	64	62	75	79	108	98	111	110	123
Agricultural science	17	14	16	22	17	25	25	19	18
Social sciences	274	243	269	272	302	295	318	338	403
Social science	144	137	150	148	151	141	162	182	210
Psychology	130	106	119	124	151	154	156	156	193
Non-S&E [2]	702	708	811	779	915	880	865	956	1,047

See explanatory information and SOURCE at end of table.

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Table 10. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Hispanics								
Total, all fields	868	909	972	1,030	1,054	1,103	1,193	1,324	1,279
Science and engineering	493	513	542	548	563	618	656	753	704
Engineering	61	71	66	66	76	97	95	110	80
Sciences	432	442	476	482	487	521	561	643	624
Natural sciences	212	228	249	274	253	251	295	314	321
Physical science [1]	81	88	92	98	86	85	85	70	95
Mathematical science	9	12	16	13	15	10	20	27	14
Computer science	12	8	7	7	6	16	17	14	13
Biological science	95	102	114	131	125	128	146	168	173
Agricultural science	15	18	20	25	21	12	27	35	26
Social sciences	220	214	227	208	234	270	266	329	303
Social science	98	81	96	75	89	97	96	121	109
Psychology	122	133	131	133	145	173	170	208	194
Non-S&E [2]	375	396	430	482	491	485	537	571	575
	American Indians or Alaskan Natives								
Total, all fields	132	149	120	143	148	188	166	189	169
Science and engineering	56	69	43	64	68	97	79	96	88
Engineering	6	11	2	6	9	15	17	13	8
Sciences	50	58	41	58	59	82	62	83	80
Natural sciences	28	30	19	27	26	39	26	40	38
Physical science [1]	13	13	9	7	7	8	12	13	14
Mathematical science	0	2	1	2	2	1	1	3	2
Computer science	1	2	1	1	0	4	1	3	1
Biological science	10	13	7	16	15	20	7	12	17
Agricultural science	4	0	1	1	2	6	5	9	4
Social sciences	22	28	22	31	33	43	36	43	42
Social science	9	13	7	19	19	25	18	12	20
Psychology	13	15	15	12	14	18	18	31	22
Non-S&E [2]	76	80	77	79	80	91	87	93	81
	U.S. citizens and permanent residents, unknown race/ethnicity								
Total, all fields	547	426	266	301	351	381	1,161	1,012	648
Science and engineering	397	280	172	196	230	245	676	599	393
Engineering	110	58	27	40	60	42	125	111	60
Sciences	287	222	145	156	170	203	551	488	333
Natural sciences	174	140	95	88	115	141	287	282	187
Physical science [1]	74	53	35	27	53	54	103	106	66
Mathematical science	22	12	10	10	6	10	25	26	8
Computer science	9	10	8	7	10	15	30	25	12
Biological science	54	54	40	35	39	54	109	110	91
Agricultural science	15	11	2	9	7	8	20	15	10
Social sciences	113	82	50	68	55	62	264	206	146
Social science	71	45	34	40	30	47	123	91	84
Psychology	42	37	16	28	25	15	141	115	62
Non-S&E [2]	150	146	94	105	121	136	485	413	255

See explanatory information and SOURCE at end of table.

Table 10. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of recipient: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens [4]								
Total, all fields	9,311	9,953	9,932	9,406	8,810	9,614	9,179	9,493	9,648
Science and engineering	7,641	8,092	8,113	7,521	6,993	7,806	7,499	7,774	7,648
Engineering	2,633	2,743	2,784	2,653	2,524	2,720	2,551	2,582	2,444
Sciences	5,008	5,349	5,329	4,868	4,469	5,086	4,948	5,192	5,204
Natural sciences	3,782	4,089	4,056	3,606	3,247	3,844	3,794	3,989	3,967
Physical science [1]	1,442	1,582	1,498	1,304	1,103	1,345	1,312	1,418	1,358
Mathematical science	506	511	517	448	382	442	441	447	442
Computer science	340	365	348	343	365	376	330	329	361
Biological science	1,059	1,159	1,246	1,058	968	1,240	1,320	1,333	1,390
Agricultural science	435	472	447	453	429	441	391	462	416
Social sciences	1,226	1,260	1,273	1,262	1,222	1,242	1,154	1,203	1,237
Social science	1,093	1,104	1,125	1,111	1,058	1,061	1,017	1,035	1,073
Psychology	133	156	148	151	164	181	137	168	164
Non-S&E [2]	1,670	1,861	1,819	1,885	1,817	1,808	1,680	1,719	2,000
	Citizenship unknown								
Total, all fields	793	947	1,161	734	874	1,282	2,285	2,007	1,883
Science and engineering	468	641	757	497	545	784	1,342	1,258	1,267
Engineering	107	175	217	116	142	198	234	301	330
Sciences	361	466	540	381	403	586	1,108	957	937
Natural sciences	189	240	309	191	223	360	594	542	528
Physical science [1]	81	95	138	95	83	159	230	205	217
Mathematical science	15	40	39	13	37	32	53	61	38
Computer science	9	15	23	17	16	31	59	38	42
Biological science	66	72	94	57	78	118	212	206	205
Agricultural science	18	18	15	9	9	20	40	32	26
Social sciences	172	226	231	190	180	226	514	415	409
Social science	73	105	120	98	99	144	218	181	171
Psychology	99	121	111	92	81	82	296	234	238
Non-S&E [2]	325	306	404	237	329	498	943	749	616

1 In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

2 Non-S&E refers to non-science and non-engineering.

3 Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

4 Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Data for 1999 are omitted to be consistent with other tables on bachelor's and master's degrees in this report. Data on doctorates for 1999 are available from Science and Engineering Doctorate Awards 2000 (NSF-02-305).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

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Table 11. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total, all fields	23,525	24,235	24,384	25,059	25,158	25,273	24,939	24,634	23,173
Science and engineering	16,986	17,422	17,568	18,165	18,116	18,444	18,081	17,814	16,525
Engineering	4,703	4,860	5,097	5,150	5,270	5,485	5,313	5,115	4,463
Sciences	12,283	12,562	12,471	13,015	12,846	12,959	12,768	12,699	12,062
Natural sciences	8,804	8,950	8,834	9,307	9,214	9,280	9,124	9,137	8,493
Physical science [1]	3,565	3,586	3,482	3,763	3,552	3,582	3,554	3,470	3,090
Mathematical science	836	841	865	879	919	881	851	872	789
Computer science	679	747	737	762	808	776	744	763	717
Biological science	2,864	2,952	3,014	3,076	3,131	3,286	3,260	3,294	3,228
Agricultural science	860	824	736	827	804	755	715	738	669
Social sciences	3,479	3,612	3,637	3,708	3,632	3,679	3,644	3,562	3,569
Social science	2,230	2,284	2,315	2,435	2,386	2,519	2,480	2,354	2,364
Psychology	1,249	1,328	1,322	1,273	1,246	1,160	1,164	1,208	1,205
Non-S&E [2]	6,539	6,813	6,816	6,894	7,042	6,829	6,858	6,820	6,648
	U.S. citizens and permanent residents, total [3]								
Total, all fields	15,608	15,808	15,980	17,368	17,872	17,192	16,877	16,531	15,244
Science and engineering	10,314	10,363	10,543	11,692	12,082	11,675	11,390	11,064	9,948
Engineering	2,158	2,192	2,348	2,604	2,822	2,862	2,815	2,587	2,072
Sciences	8,156	8,171	8,195	9,088	9,260	8,813	8,575	8,477	7,876
Natural sciences	5,687	5,585	5,557	6,389	6,575	6,138	5,950	5,886	5,267
Physical science [1]	2,306	2,236	2,193	2,633	2,582	2,387	2,351	2,238	1,879
Mathematical science	406	390	425	506	588	503	452	470	404
Computer science	357	406	399	449	473	423	420	434	372
Biological science	2,135	2,130	2,168	2,345	2,469	2,424	2,332	2,384	2,276
Agricultural science	483	423	372	456	463	401	395	360	336
Social sciences	2,469	2,586	2,638	2,699	2,685	2,675	2,625	2,591	2,609
Social science	1,343	1,380	1,417	1,530	1,557	1,630	1,609	1,531	1,564
Psychology	1,126	1,206	1,221	1,169	1,128	1,045	1,016	1,060	1,045
Non-S&E [2]	5,294	5,445	5,437	5,676	5,790	5,517	5,487	5,467	5,296
	White, non-Hispanics								
Total, all fields	13,153	13,280	13,347	13,557	13,534	13,233	12,991	12,896	12,274
Science and engineering	8,585	8,624	8,724	8,732	8,683	8,652	8,558	8,519	7,909
Engineering	1,602	1,640	1,764	1,715	1,772	1,915	1,955	1,864	1,549
Sciences	6,983	6,984	6,960	7,017	6,911	6,737	6,603	6,655	6,360
Natural sciences	4,911	4,780	4,705	4,810	4,731	4,546	4,518	4,580	4,237
Physical science [1]	2,001	1,928	1,868	1,998	1,832	1,796	1,828	1,788	1,557
Mathematical science	335	332	352	361	409	374	344	376	334
Computer science	282	309	327	326	348	295	295	327	275
Biological science	1,871	1,847	1,835	1,758	1,773	1,774	1,758	1,811	1,794
Agricultural science	422	364	323	367	369	307	293	278	277
Social sciences	2,072	2,204	2,255	2,207	2,180	2,191	2,085	2,075	2,123
Social science	1,081	1,126	1,160	1,178	1,197	1,284	1,253	1,188	1,246
Psychology	991	1,078	1,095	1,029	983	907	832	887	877
Non-S&E [2]	4,568	4,656	4,623	4,825	4,851	4,581	4,433	4,377	4,365

See explanatory information and SOURCE at end of table.

Table 11. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Asians/Pacific Islanders								
Total, all fields	971	1,135	1,284	2,467	2,865	2,402	1,889	1,632	1,265
Science and engineering	805	926	1,077	2,168	2,554	2,112	1,643	1,373	1,046
Engineering	356	390	466	747	863	763	588	455	338
Sciences	449	536	611	1,421	1,691	1,349	1,055	918	708
Natural sciences	372	433	500	1,214	1,456	1,156	889	768	564
Physical science[1]	134	165	182	494	616	423	320	261	149
Mathematical science	39	33	43	116	158	104	69	44	49
Computer science	51	74	57	101	107	95	82	68	62
Biological science	132	136	198	451	513	483	373	366	282
Agricultural science	16	25	20	52	62	51	45	29	22
Social sciences	77	103	111	207	235	193	166	150	144
Social science	62	83	89	175	192	162	134	121	96
Psychology	15	20	22	32	43	31	32	29	48
Non-S&E[2]	166	209	207	299	311	290	246	259	219
	Underrepresented minorities, total								
Total, all fields	1,085	1,083	1,156	1,142	1,232	1,304	1,343	1,398	1,325
Science and engineering	614	588	606	642	668	731	769	777	737
Engineering	102	107	95	105	130	150	161	168	130
Sciences	512	481	511	537	538	581	608	609	607
Natural sciences	261	253	275	298	300	327	345	327	328
Physical science[1]	107	97	112	119	92	123	124	95	122
Mathematical science	12	14	22	20	16	17	20	30	15
Computer science	16	13	8	15	9	20	18	22	24
Biological science	94	105	105	114	154	131	139	136	139
Agricultural science	32	24	28	30	29	36	44	44	28
Social sciences	251	228	236	239	238	254	263	282	279
Social science	150	139	141	145	145	153	151	170	177
Psychology	101	89	95	94	93	101	112	112	102
Non-S&E[2]	471	495	550	500	564	573	574	621	588
	Black, non-Hispanics								
Total, all fields	552	519	579	553	615	641	641	613	650
Science and engineering	270	238	261	284	290	323	332	296	324
Engineering	47	43	39	41	56	55	75	62	58
Sciences	223	195	222	243	234	268	257	234	266
Natural sciences	88	80	99	104	115	147	126	102	121
Physical science[1]	29	24	35	38	28	49	48	31	44
Mathematical science	7	4	7	8	4	6	5	9	7
Computer science	4	4	2	8	7	9	3	6	13
Biological science	32	38	43	34	65	58	51	41	47
Agricultural science	16	10	12	16	11	25	19	15	10
Social sciences	135	115	123	139	119	121	131	132	145
Social science	91	87	79	93	80	82	88	89	100
Psychology	44	28	44	46	39	39	43	43	45
Non-S&E[2]	282	281	318	269	325	318	309	317	326

See explanatory information and SOURCE at end of table.

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Table 11. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Hispanics								
Total, all fields	459	482	517	518	537	560	624	681	599
Science and engineering	307	308	320	318	336	346	392	427	370
Engineering	51	56	54	60	65	82	72	97	68
Sciences	256	252	266	258	271	264	320	330	302
Natural sciences	152	151	162	174	167	157	198	197	181
Physical science [1]	68	62	70	75	59	67	65	53	67
Mathematical science	5	9	14	10	11	10	14	20	7
Computer science	11	7	6	7	2	9	15	13	10
Biological science	56	59	57	69	79	62	84	89	82
Agricultural science	12	14	15	13	16	9	20	22	15
Social sciences	104	101	104	84	104	107	122	133	121
Social science	52	46	59	41	56	54	59	77	67
Psychology	52	55	45	43	48	53	63	56	54
Non-S&E [2]	152	174	197	200	201	214	232	254	229
	American Indians or Alaskan Natives								
Total, all fields	74	82	60	71	80	103	78	104	76
Science and engineering	37	42	25	40	42	62	45	54	43
Engineering	4	8	2	4	9	13	14	9	4
Sciences	33	34	23	36	33	49	31	45	39
Natural sciences	21	22	14	20	18	23	21	28	26
Physical science [1]	10	11	7	6	5	7	11	11	11
Mathematical science	0	1	1	2	1	1	1	1	1
Computer science	1	2	0	0	0	2	0	3	1
Biological science	6	8	5	11	10	11	4	6	10
Agricultural science	4	0	1	1	2	2	5	7	3
Social sciences	12	12	9	16	15	26	10	17	13
Social science	7	6	3	11	9	17	4	4	10
Psychology	5	6	6	5	6	9	6	13	3
Non-S&E [2]	37	40	35	31	38	41	33	50	33
	U.S. citizens and permanent residents, unknown race/ethnicity								
Total, all fields	399	310	193	202	241	253	654	605	380
Science and engineering	310	225	136	150	177	180	420	395	256
Engineering	98	55	23	37	57	34	111	100	55
Sciences	212	170	113	113	120	146	309	295	201
Natural sciences	143	119	77	67	88	109	198	211	138
Physical science [1]	64	46	31	22	42	45	79	94	51
Mathematical science	20	11	8	9	5	8	19	20	6
Computer science	8	10	7	7	9	13	25	17	11
Biological science	38	42	30	22	29	36	62	71	61
Agricultural science	13	10	1	7	3	7	13	9	9
Social sciences	69	51	36	46	32	37	111	84	63
Social science	50	32	27	32	23	31	71	52	45
Psychology	19	19	9	14	9	6	40	32	18
Non-S&E [2]	89	85	57	52	64	73	234	210	124

See explanatory information and SOURCE at end of table.

Table 11. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of male recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens [4]								
Total, all fields	7,506	7,946	7,835	7,306	6,841	7,389	6,961	7,005	6,839
Science and engineering	6,404	6,727	6,636	6,185	5,737	6,304	5,966	6,005	5,783
Engineering	2,481	2,572	2,618	2,469	2,362	2,490	2,336	2,301	2,141
Sciences	3,923	4,155	4,018	3,716	3,375	3,814	3,630	3,704	3,642
Natural sciences	3,001	3,222	3,116	2,792	2,514	2,930	2,820	2,913	2,868
Physical science [1]	1,205	1,292	1,214	1,063	920	1,099	1,049	1,096	1,049
Mathematical science	420	427	421	364	304	359	366	362	359
Computer science	317	329	321	301	322	335	292	306	312
Biological science	693	783	804	698	629	797	816	794	836
Agricultural science	366	391	356	366	339	340	297	355	312
Social sciences	922	933	902	924	861	884	810	791	774
Social science	845	854	839	853	782	797	752	724	706
Psychology	77	79	63	71	79	87	58	67	68
Non-S&E [2]	1,102	1,219	1,199	1,121	1,104	1,085	995	1,000	1,056
	Citizenship unknown								
Total, all fields	411	481	569	385	445	692	1,101	1,098	1,090
Science and engineering	268	332	389	288	297	465	725	745	794
Engineering	64	96	131	77	86	133	162	227	250
Sciences	204	236	258	211	211	332	563	518	544
Natural sciences	116	143	161	126	125	212	354	338	358
Physical science [1]	54	58	75	67	50	96	154	136	162
Mathematical science	10	24	19	9	27	19	33	40	26
Computer science	5	12	17	12	13	18	32	23	33
Biological science	36	39	42	33	33	65	112	116	116
Agricultural science	11	10	8	5	2	14	23	23	21
Social sciences	88	93	97	85	86	120	209	180	186
Social science	42	50	59	52	47	92	119	99	94
Psychology	46	43	38	33	39	28	90	81	92
Non-S&E [2]	143	149	180	97	148	227	376	353	296

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

[3] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[4] Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Data for 1999 are omitted to be consistent with other tables on bachelor's and master's degrees in this report. Data on doctorates for 1999 are available from Science and Engineering Doctorate Awards 2000 (NSF-02-305).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

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Table 12. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total, all fields	13,873	14,436	15,121	15,820	16,414	16,944	17,246	17,834	18,121
Science and engineering	6,932	7,080	7,652	7,921	8,286	8,646	8,941	9,342	9,396
Engineering	467	506	522	635	696	776	751	773	839
Sciences	6,465	6,574	7,130	7,286	7,590	7,870	8,190	8,569	8,557
Natural sciences	3,156	3,347	3,620	3,742	3,944	4,081	4,229	4,433	4,361
Physical science [1]	858	958	940	1,011	1,048	1,014	1,062	1,145	1,066
Mathematical science	199	205	264	236	265	231	263	297	258
Computer science	117	120	138	137	186	139	150	159	142
Biological science	1,773	1,831	2,050	2,109	2,217	2,415	2,494	2,534	2,621
Agricultural science	209	233	228	249	228	282	260	298	274
Social sciences	3,309	3,227	3,510	3,544	3,646	3,789	3,961	4,136	4,196
Social science	1,313	1,299	1,422	1,443	1,466	1,461	1,591	1,683	1,782
Psychology	1,996	1,928	2,088	2,101	2,180	2,328	2,370	2,453	2,414
Non-S&E [2]	6,941	7,356	7,469	7,899	8,128	8,298	8,305	8,492	8,725
	U.S. citizens and permanent residents, total [3]								
Total, all fields	11,818	12,178	12,719	13,522	14,183	14,325	14,169	14,573	14,588
Science and engineering	5,597	5,577	6,024	6,494	6,912	6,963	6,993	7,163	7,114
Engineering	316	328	348	448	520	525	513	451	484
Sciences	5,281	5,249	5,676	6,046	6,392	6,438	6,480	6,712	6,630
Natural sciences	2,344	2,449	2,632	2,917	3,172	3,092	3,102	3,196	3,112
Physical science [1]	611	661	641	769	852	740	751	774	714
Mathematical science	112	117	164	151	183	145	177	198	163
Computer science	94	83	109	94	143	91	100	123	86
Biological science	1,390	1,438	1,584	1,743	1,859	1,941	1,919	1,918	1,984
Agricultural science	137	150	134	160	135	175	155	183	165
Social sciences	2,937	2,800	3,044	3,129	3,220	3,346	3,378	3,516	3,518
Social science	1,047	1,020	1,106	1,162	1,164	1,163	1,266	1,307	1,343
Psychology	1,890	1,780	1,938	1,967	2,056	2,183	2,112	2,209	2,175
Non-S&E [2]	6,221	6,601	6,695	7,028	7,271	7,362	7,176	7,410	7,474
	White, non-Hispanics								
Total, all fields	10,032	10,346	10,704	11,036	11,187	11,457	10,959	11,388	11,377
Science and engineering	4,739	4,703	5,012	5,158	5,223	5,355	5,267	5,489	5,506
Engineering	235	240	261	305	321	347	332	306	329
Sciences	4,504	4,463	4,751	4,853	4,902	5,008	4,935	5,183	5,177
Natural sciences	1,975	2,043	2,131	2,193	2,235	2,244	2,259	2,397	2,395
Physical science [1]	525	531	498	531	556	540	541	588	560
Mathematical science	84	93	124	118	126	105	135	150	126
Computer science	73	69	83	75	104	61	66	84	62
Biological science	1,170	1,221	1,311	1,349	1,345	1,401	1,399	1,435	1,512
Agricultural science	123	129	115	120	104	137	118	140	135
Social sciences	2,529	2,420	2,620	2,660	2,667	2,764	2,676	2,786	2,782
Social science	868	862	909	959	923	927	985	1,023	1,058
Psychology	1,661	1,558	1,711	1,701	1,744	1,837	1,691	1,763	1,724
Non-S&E [2]	5,293	5,643	5,692	5,878	5,964	6,102	5,692	5,899	5,871

See explanatory information and SOURCE at end of table.

Table 12. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Asians/Pacific Islanders								
Total, all fields	559	628	730	1,077	1,443	1,297	1,230	1,082	1,050
Science and engineering	374	418	531	820	1,115	983	894	764	690
Engineering	49	61	61	119	170	134	119	98	109
Sciences	325	357	470	701	945	849	775	666	581
Natural sciences	224	264	341	526	746	646	575	460	396
Physical science[1]	54	88	105	195	239	157	153	121	83
Mathematical science	18	19	36	26	50	36	28	27	21
Computer science	15	12	19	16	30	16	26	23	15
Biological science	129	133	172	269	411	407	350	291	268
Agricultural science	8	12	9	20	16	30	18	18	9
Social sciences	101	93	129	175	199	203	200	186	185
Social science	57	54	78	98	120	110	105	101	84
Psychology	44	39	51	77	79	93	95	85	101
Non-S&E[2]	185	210	199	257	328	314	336	318	360
	Underrepresented minorities, total								
Total, all fields	1,081	1,091	1,216	1,310	1,445	1,443	1,504	1,715	1,898
Science and engineering	399	402	448	470	523	560	589	718	783
Engineering	20	24	23	21	26	36	49	39	41
Sciences	379	378	425	449	497	524	540	679	742
Natural sciences	114	121	143	177	166	170	183	251	273
Physical science[1]	22	35	34	38	47	34	33	53	56
Mathematical science	8	4	3	6	6	2	8	16	15
Computer science	5	2	6	3	8	12	4	9	8
Biological science	75	72	91	112	94	115	125	154	174
Agricultural science	4	8	9	18	11	7	13	19	20
Social sciences	265	257	282	272	331	354	357	428	469
Social science	101	92	112	97	114	110	125	145	162
Psychology	164	165	170	175	217	244	232	283	307
Non-S&E[2]	682	689	768	840	922	883	915	997	1,115
	Black, non-Hispanics								
Total, all fields	614	597	701	726	860	815	847	988	1,125
Science and engineering	194	170	208	216	270	253	291	350	404
Engineering	8	6	11	13	15	19	23	22	25
Sciences	186	164	197	203	255	234	268	328	379
Natural sciences	47	36	51	70	72	60	81	122	121
Physical science[1]	6	7	10	14	18	15	12	34	25
Mathematical science	4	0	1	3	1	2	2	7	7
Computer science	4	1	4	2	4	3	1	8	5
Biological science	32	24	32	45	43	40	60	69	76
Agricultural science	1	4	4	6	6	0	6	4	8
Social sciences	139	128	146	133	183	174	187	206	258
Social science	53	50	71	55	71	59	74	93	110
Psychology	86	78	75	78	112	115	113	113	148
Non-S&E[2]	420	427	493	510	590	562	556	638	721

See explanatory information and SOURCE at end of table.

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Table 12. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Hispanics								
Total, all fields	409	427	455	512	517	543	569	642	680
Science and engineering	186	205	222	230	227	272	264	326	334
Engineering	10	15	12	6	11	15	23	13	12
Sciences	176	190	210	224	216	257	241	313	322
Natural sciences	60	77	87	100	86	94	97	117	140
Physical science[1]	13	26	22	23	27	18	20	17	28
Mathematical science	4	3	2	3	4	0	6	7	7
Computer science	1	1	1	0	4	7	2	1	3
Biological science	39	43	57	62	46	66	62	79	91
Agricultural science	3	4	5	12	5	3	7	13	11
Social sciences	116	113	123	124	130	163	144	196	182
Social science	46	35	37	34	33	43	37	44	42
Psychology	70	78	86	90	97	120	107	152	140
Non-S&E[2]	223	222	233	282	290	271	305	316	346
	American Indians or Alaskan Natives								
Total, all fields	58	67	60	72	68	85	88	85	93
Science and engineering	19	27	18	24	26	35	34	42	45
Engineering	2	3	0	2	0	2	3	4	4
Sciences	17	24	18	22	26	33	31	38	41
Natural sciences	7	8	5	7	8	16	5	12	12
Physical science[1]	3	2	2	1	2	1	1	2	3
Mathematical science	0	1	0	0	1	0	0	2	1
Computer science	0	0	1	1	0	2	1	0	0
Biological science	4	5	2	5	5	9	3	6	7
Agricultural science	0	0	0	0	0	4	0	2	1
Social sciences	10	16	13	15	18	17	26	26	29
Social science	2	7	4	8	10	8	14	8	10
Psychology	8	9	9	7	8	9	12	18	19
Non-S&E[2]	39	40	42	48	42	50	54	43	48
	U.S. citizens and permanent residents, unknown race/ethnicity								
Total, all fields	146	113	69	99	108	128	476	388	263
Science and engineering	85	54	33	46	51	65	243	192	135
Engineering	12	3	3	3	3	8	13	8	5
Sciences	73	51	30	43	48	57	230	184	130
Natural sciences	31	21	17	21	25	32	85	68	48
Physical science[1]	10	7	4	5	10	9	24	12	15
Mathematical science	2	1	1	1	1	2	6	5	1
Computer science	1	0	1	0	1	2	4	7	1
Biological science	18	12	10	13	9	18	45	38	30
Agricultural science	2	1	1	2	4	1	6	6	1
Social sciences	42	30	13	22	23	25	145	116	82
Social science	21	12	7	8	7	16	51	38	39
Psychology	21	18	6	14	16	9	94	78	43
Non-S&E[2]	61	59	36	53	57	63	233	196	128

See explanatory information and SOURCE at end of table.

Table 12. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens [4]								
Total, all fields	1,794	1,990	2,089	2,077	1,952	2,214	2,203	2,468	2,808
Science and engineering	1,229	1,351	1,455	1,321	1,245	1,496	1,521	1,754	1,864
Engineering	149	169	161	178	159	228	211	274	302
Sciences	1,080	1,182	1,294	1,143	1,086	1,268	1,310	1,480	1,562
Natural sciences	779	859	929	805	726	911	969	1,073	1,099
Physical science [1]	236	266	281	238	182	245	259	320	309
Mathematical science	86	84	95	84	78	83	75	85	83
Computer science	23	36	26	41	43	41	38	23	49
Biological science	365	372	437	355	334	441	504	538	554
Agricultural science	69	81	90	87	89	101	93	107	104
Social sciences	301	323	365	338	360	357	341	407	463
Social science	245	248	281	258	275	263	262	306	367
Psychology	56	75	84	80	85	94	79	101	96
Non-S&E [2]	565	639	614	756	707	718	682	714	944
	Citizenship unknown								
Total, all fields	261	268	333	221	279	405	874	793	725
Science and engineering	106	152	173	106	129	187	427	425	418
Engineering	2	9	13	9	17	23	27	48	53
Sciences	104	143	160	97	112	164	400	377	365
Natural sciences	33	39	59	20	46	78	158	164	150
Physical science [1]	11	11	18	4	14	29	52	51	43
Mathematical science	1	4	5	1	4	3	11	14	12
Computer science	0	1	3	2	0	7	12	13	7
Biological science	18	21	29	11	24	33	71	78	83
Agricultural science	3	2	4	2	4	6	12	8	5
Social sciences	71	104	101	77	66	86	242	213	215
Social science	21	31	35	23	27	35	63	70	72
Psychology	50	73	66	54	39	51	179	143	143
Non-S&E [2]	155	116	160	115	150	218	447	368	307

1 In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

2 Non-S&E refers to non-science and non-engineering.

3 Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

4 Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Data for 1999 are omitted to be consistent with other tables on bachelor's and master's degrees in this report. Data on doctorates for 1999 are available from Science and Engineering Doctorate Awards 2000 (NSF-02-305).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

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Table 13. Number and percent of bachelor's degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all black recipients								
Total, all fields	65,009	71,311	76,667	82,316	85,287	89,554	92,067	95,879	104,212
Science and engineering	19,987	22,431	24,421	26,289	27,528	29,055	30,444	31,398	33,462
Engineering	2,229	2,362	2,577	2,659	2,845	3,000	3,076	3,018	3,062
Sciences	17,758	20,069	21,844	23,630	24,683	26,055	27,368	28,380	30,400
Natural sciences	5,834	6,401	6,972	7,559	8,021	8,670	9,061	9,713	10,634
Physical science[1]	753	816	836	921	1,034	1,100	1,110	1,127	1,141
Mathematical science	811	904	965	992	995	981	1,071	1,030	971
Computer science	1,997	2,090	2,213	2,398	2,498	2,415	2,370	2,580	3,330
Biological science	2,111	2,385	2,739	2,980	3,231	3,811	4,123	4,550	4,734
Agricultural science	162	206	219	268	263	363	387	426	458
Social sciences	11,924	13,668	14,872	16,071	16,662	17,385	18,307	18,667	19,766
Social science	8,236	9,489	10,254	10,835	10,921	11,357	11,660	11,815	12,194
Psychology	3,688	4,179	4,618	5,236	5,741	6,028	6,647	6,852	7,572
Non-S&E[2]	45,022	48,880	52,246	56,027	57,759	60,499	61,623	64,480	70,750
	Black recipients from HBCUs								
Total, all fields	17,963	19,709	21,849	23,426	23,989	25,425	25,215	25,546	25,558
Science and engineering	5,679	6,363	7,368	7,804	8,381	8,980	9,071	9,151	8,773
Engineering	589	694	700	690	798	894	905	843	694
Sciences	5,090	5,769	6,668	7,114	7,583	8,086	8,166	8,308	8,079
Natural sciences	2,363	2,599	3,021	3,105	3,384	3,794	3,872	3,971	4,012
Physical science[1]	358	376	390	421	471	547	503	485	496
Mathematical science	369	420	463	449	466	443	478	442	427
Computer science	748	780	904	904	967	979	834	904	987
Biological science	792	906	1,155	1,197	1,357	1,628	1,841	1,920	1,884
Agricultural science	96	117	109	134	123	197	216	220	218
Social sciences	2,727	3,170	3,647	4,009	4,179	4,292	4,294	4,337	4,067
Social science	1,886	2,201	2,507	2,701	2,747	2,780	2,641	2,701	2,385
Psychology	841	969	1,140	1,308	1,432	1,512	1,653	1,636	1,682
Non-S&E[2]	12,284	13,346	14,481	15,622	15,608	16,445	16,144	16,395	16,785

See explanatory information and SOURCE at end of table.

Table 13. Number and percent of bachelor's degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields	27.6	27.6	28.5	28.5	28.1	28.4	27.4	26.6	24.5
Science and engineering	28.4	28.4	30.2	29.7	30.4	30.9	29.8	29.1	26.2
Engineering	26.4	25.1	27.2	25.9	28.0	29.8	29.4	27.9	22.7
Sciences	28.7	28.7	30.5	30.1	30.6	31.0	29.8	29.3	26.6
Natural sciences	40.5	40.6	43.3	41.1	42.2	43.8	42.7	40.9	37.7
Physical science[1]	47.5	46.1	46.7	45.7	45.6	49.7	45.3	43.0	43.5
Mathematical science	45.5	46.5	48.0	45.3	46.8	45.2	44.6	42.9	44.0
Computer science	37.5	37.3	40.8	37.7	38.7	40.5	35.2	35.0	29.6
Biological science	37.5	38.0	42.2	40.2	42.0	42.7	44.7	42.2	39.8
Agricultural science	59.3	56.8	49.8	50.0	46.8	54.3	55.8	51.6	47.6
Social sciences	22.9	23.2	24.5	24.9	25.1	24.7	23.5	23.2	20.6
Social science	22.9	23.2	24.4	24.9	25.2	24.5	22.7	22.9	19.6
Psychology	22.8	23.2	24.7	25.0	24.9	25.1	24.9	23.9	22.2
Non-S&E[2]	27.3	27.3	27.7	27.9	27.1	27.2	26.2	25.4	23.7

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994, therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 14. Number and percent of bachelor's degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all black recipients								
Total, all fields	24,238	26,518	28,374	30,106	30,998	32,223	32,726	33,653	35,648
Science and engineering	8,448	9,375	10,099	10,806	11,127	11,700	11,947	12,150	12,383
Engineering	1,484	1,614	1,764	1,784	1,846	1,964	2,019	1,977	1,973
Sciences	6,964	7,761	8,335	9,022	9,281	9,736	9,928	10,173	10,410
Natural sciences	2,538	2,709	2,872	3,146	3,314	3,591	3,678	3,969	4,244
Physical science[1]	391	381	370	464	495	482	466	521	472
Mathematical science	380	374	444	457	476	468	510	488	468
Computer science	971	1,092	1,049	1,161	1,241	1,218	1,212	1,323	1,737
Biological science	696	749	883	927	981	1,236	1,304	1,448	1,379
Agricultural science	100	113	126	137	121	187	186	189	188
Social sciences	4,426	5,052	5,463	5,876	5,967	6,145	6,250	6,204	6,166
Social science	3,547	4,070	4,364	4,644	4,565	4,727	4,659	4,660	4,520
Psychology	879	982	1,099	1,232	1,402	1,418	1,591	1,544	1,646
Non-S&E[2]	15,790	17,143	18,275	19,300	19,871	20,523	20,779	21,503	23,265
	Black recipients from HBCUs								
Total, all fields	6,430	7,087	7,867	8,457	8,587	9,094	8,933	8,976	8,954
Science and engineering	2,211	2,450	2,761	2,940	3,190	3,467	3,425	3,395	3,075
Engineering	359	380	430	425	500	544	534	493	404
Sciences	1,852	2,070	2,331	2,515	2,690	2,923	2,891	2,902	2,671
Natural sciences	951	972	1,089	1,162	1,260	1,444	1,418	1,504	1,444
Physical science[1]	163	145	150	197	202	202	162	179	176
Mathematical science	164	150	196	181	204	206	223	213	208
Computer science	333	364	361	381	411	442	378	438	483
Biological science	231	238	317	334	385	482	543	575	483
Agricultural science	60	75	65	69	58	112	112	99	94
Social sciences	901	1,098	1,242	1,353	1,430	1,479	1,473	1,398	1,227
Social science	720	868	989	1,060	1,080	1,119	1,045	1,021	848
Psychology	181	230	253	293	350	360	428	377	379
Non-S&E[2]	4,219	4,637	5,106	5,517	5,397	5,627	5,508	5,581	5,879

See explanatory information and SOURCE at end of table.

Table 14. Number and percent of bachelor's degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields	26.5	26.7	27.7	28.1	27.7	28.2	27.3	26.7	25.1
Science and engineering	26.2	26.1	27.3	27.2	28.7	29.6	28.7	27.9	24.8
Engineering	24.2	23.5	24.4	23.8	27.1	27.7	26.4	24.9	20.5
Sciences	26.6	26.7	28.0	27.9	29.0	30.0	29.1	28.5	25.7
Natural sciences	37.5	35.9	37.9	36.9	38.0	40.2	38.6	37.9	34.0
Physical science[1]	41.7	38.1	40.5	42.5	40.8	41.9	34.8	34.4	37.3
Mathematical science	43.2	40.1	44.1	39.6	42.9	44.0	43.7	43.6	44.4
Computer science	34.3	33.3	34.4	32.8	33.1	36.3	31.2	33.1	27.8
Biological science	33.2	31.8	35.9	36.0	30.2	39.0	41.6	39.7	35.0
Agricultural science	60.0	66.4	51.6	50.4	47.9	59.9	60.2	52.4	50.0
Social sciences	20.4	21.7	22.7	23.0	24.0	24.1	23.6	22.5	19.9
Social science	20.3	21.3	22.7	22.8	23.7	23.7	22.4	21.9	18.8
Psychology	20.6	23.4	23.0	23.8	25.0	25.4	26.9	24.4	23.0
Non-S&E[2]	26.7	27.0	27.9	28.6	27.2	27.4	26.5	26.0	25.3

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 15. Number and percent of bachelor's degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all black recipients								
Total, all fields	40,771	44,793	48,293	52,210	54,289	57,331	59,341	62,225	68,564
Science and engineering	11,539	13,056	14,322	15,483	16,401	17,355	18,497	19,248	21,079
Engineering	745	748	813	875	999	1,036	1,057	1,041	1,089
Sciences	10,794	12,308	13,509	14,608	15,402	16,319	17,440	18,207	19,990
Natural sciences	3,296	3,692	4,100	4,413	4,707	5,079	5,383	5,744	6,390
Physical science[1]	362	435	466	457	539	618	644	606	669
Mathematical science	431	530	521	535	519	513	561	542	503
Computer science	1,026	998	1,164	1,237	1,257	1,197	1,158	1,257	1,593
Biological science	1,415	1,636	1,856	2,053	2,250	2,575	2,819	3,102	3,355
Agricultural science	62	93	93	131	142	176	201	237	270
Social sciences	7,498	8,616	9,409	10,195	10,695	11,240	12,057	12,463	13,600
Social science	4,689	5,419	5,890	6,191	6,356	6,630	7,001	7,155	7,674
Psychology	2,809	3,197	3,519	4,004	4,339	4,610	5,056	5,308	5,926
Non-S&E[2]	29,232	31,737	33,971	36,727	37,888	39,976	40,844	42,977	47,485
	Black recipients from HBCUs								
Total, all fields	11,533	12,622	13,982	14,969	15,402	16,331	16,282	16,570	16,604
Science and engineering	3,468	3,913	4,607	4,864	5,171	5,513	5,646	5,756	5,698
Engineering	230	214	270	265	298	350	371	350	290
Sciences	3,238	3,699	4,337	4,599	4,873	5,163	5,275	5,406	5,408
Natural sciences	1,412	1,627	1,932	1,943	2,124	2,350	2,454	2,467	2,568
Physical science[1]	195	231	240	224	269	345	341	306	320
Mathematical science	205	270	267	268	262	237	255	229	219
Computer science	415	416	543	523	556	537	456	466	504
Biological science	561	668	838	863	972	1,146	1,298	1,345	1,401
Agricultural science	36	42	44	65	65	85	104	121	124
Social sciences	1,826	2,072	2,405	2,656	2,749	2,813	2,821	2,939	2,840
Social science	1,166	1,333	1,518	1,641	1,667	1,661	1,596	1,680	1,537
Psychology	660	739	887	1,015	1,082	1,152	1,225	1,259	1,303
Non-S&E[2]	8,065	8,709	9,375	10,105	10,231	10,818	10,636	10,814	10,906

See explanatory information and SOURCE at end of table.

Table 15. Number and percent of bachelor's degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields	28.3	28.2	29.0	28.7	28.4	28.5	27.4	26.6	24.2
Science and engineering	30.1	30.0	32.2	31.4	31.5	31.8	30.5	29.9	27.0
Engineering	30.9	28.6	33.2	30.3	29.8	33.8	35.1	33.6	26.6
Sciences	30.0	30.1	32.1	31.5	31.6	31.6	30.2	29.7	27.1
Natural sciences	42.8	44.1	47.1	44.0	45.1	46.3	45.6	42.9	40.2
Physical science[1]	53.9	53.1	51.5	49.0	49.9	55.8	53.0	50.5	47.8
Mathematical science	47.6	50.9	51.2	50.1	50.5	46.2	45.5	42.3	43.5
Computer science	40.4	41.7	46.6	42.3	44.2	44.9	39.4	37.1	31.6
Biological science	39.6	40.8	45.2	42.0	43.2	44.5	46.0	43.4	41.8
Agricultural science	58.1	45.2	47.3	49.6	45.8	48.3	51.7	51.1	45.9
Social sciences	24.4	24.0	25.6	26.1	25.7	25.0	23.4	23.6	20.9
Social science	24.9	24.6	25.8	26.5	26.2	25.1	22.8	23.5	20.0
Psychology	23.5	23.1	25.2	25.3	24.9	25.0	24.2	23.7	22.0
Non-S&E[2]	27.6	27.4	27.6	27.5	27.0	27.1	26.0	25.2	23.0

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 16. Number and percent of master's degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all black recipients								
Total, all fields	15,857	17,420	18,897	20,936	22,954	24,588	26,948	28,616	33,305
Science and engineering	2,090	2,356	2,554	2,849	3,339	3,518	3,817	3,756	4,115
Engineering	398	466	564	589	665	674	674	714	658
Sciences	1,692	1,890	1,990	2,260	2,674	2,844	3,143	3,042	3,457
Natural sciences	644	699	716	821	881	932	1,010	957	1,003
Physical science[1]	73	98	105	127	147	116	144	146	124
Mathematical science	100	77	98	109	151	151	157	150	103
Computer science	283	316	308	365	347	379	377	376	472
Biological science	137	149	135	142	162	198	236	190	220
Agricultural science	51	59	70	78	74	88	96	95	84
Social sciences	1,048	1,191	1,274	1,439	1,793	1,912	2,133	2,085	2,454
Social science	594	660	730	803	930	965	1,010	1,012	1,061
Psychology	454	531	544	636	863	947	1,123	1,073	1,393
Non-S&E[2]	13,767	15,064	16,343	18,087	19,615	21,070	23,131	24,860	29,190
	Black recipients from HBCUs								
Total, all fields	2,518	2,631	2,779	3,205	3,478	3,818	4,218	4,411	4,731
Science and engineering	391	426	453	484	582	644	711	677	621
Engineering	37	41	41	43	54	62	64	85	61
Sciences	354	385	412	441	528	582	647	592	560
Natural sciences	180	188	204	204	260	276	311	298	277
Physical science[1]	24	21	36	21	41	38	51	42	32
Mathematical science	21	17	23	21	44	48	45	46	30
Computer science	59	76	75	87	94	92	88	95	107
Biological science	46	47	38	34	48	60	76	63	75
Agricultural science	30	27	32	41	33	38	51	52	33
Social sciences	174	197	208	237	268	306	336	294	283
Social science	114	125	107	126	130	141	156	157	144
Psychology	60	72	101	111	138	165	180	137	139
Non-S&E[2]	2,127	2,205	2,326	2,721	2,896	3,174	3,507	3,734	4,110

See explanatory information and SOURCE at end of table.

Table 16. Number and percent of master's degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields	15.9	15.1	14.7	15.3	15.2	15.5	15.7	15.4	14.2
Science and engineering	18.7	18.1	17.7	17.0	17.4	18.3	18.6	18.0	15.1
Engineering	9.3	8.8	7.3	7.3	8.1	9.2	9.5	11.9	9.3
Sciences	20.9	20.4	20.7	19.5	19.7	20.5	20.6	19.5	16.2
Natural sciences	28.0	26.9	28.5	24.8	29.5	29.6	30.8	31.1	27.6
Physical science[1]	32.9	21.4	34.3	16.5	27.9	32.8	35.4	28.8	25.8
Mathematical science	21.0	22.1	23.5	19.3	29.1	31.8	28.7	30.7	29.1
Computer science	20.8	24.1	24.4	23.8	27.1	24.3	23.3	25.3	22.7
Biological science	33.6	31.5	28.1	23.9	29.6	30.3	32.2	33.2	34.1
Agricultural science	58.8	45.8	45.7	52.6	44.6	43.2	53.1	54.7	39.3
Social sciences	16.6	16.5	16.3	16.5	14.9	16.0	15.8	14.1	11.5
Social science	19.2	18.9	14.7	15.7	14.0	14.6	15.4	15.5	13.6
Psychology	13.2	13.6	18.6	17.5	16.0	17.4	16.0	12.8	10.0
Non-S&E[2]	15.4	14.6	14.2	15.0	14.8	15.1	15.2	15.0	14.1

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 17. Number and percent of master's degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all black recipients								
Total, all fields	5,619	5,794	6,472	7,007	7,636	7,998	8,444	9,107	10,309
Science and engineering	1,028	1,166	1,253	1,376	1,534	1,565	1,617	1,646	1,679
Engineering	299	332	407	422	464	464	449	470	451
Sciences	729	834	846	954	1,070	1,101	1,168	1,176	1,228
Natural sciences	338	382	386	435	434	467	484	485	478
Physical science[1]	43	66	58	74	86	59	74	81	65
Mathematical science	53	44	48	62	64	78	77	71	48
Computer science	150	175	193	205	199	205	208	229	256
Biological science	58	61	47	48	50	76	69	68	72
Agricultural science	34	36	40	46	35	49	56	36	37
Social sciences	391	452	460	519	636	634	684	691	750
Social science	262	315	345	358	418	391	426	431	433
Psychology	129	137	115	161	218	243	258	260	317
Non-S&E[2]	4,591	4,628	5,219	5,631	6,102	6,433	6,827	7,461	8,630
	Black recipients from HBCUs								
Total, all fields	766	782	822	942	973	1,092	1,164	1,259	1,310
Science and engineering	172	195	191	208	230	282	266	285	245
Engineering	29	27	23	28	33	44	37	48	41
Sciences	143	168	168	180	197	238	229	237	204
Natural sciences	90	100	106	98	105	135	133	132	122
Physical science[1]	14	16	19	10	24	22	21	22	14
Mathematical science	7	7	9	12	20	24	19	14	15
Computer science	33	46	44	40	36	45	42	58	58
Biological science	15	15	11	7	12	22	20	20	23
Agricultural science	21	16	23	29	13	22	31	18	12
Social sciences	53	68	62	82	92	103	96	105	82
Social science	39	47	40	49	62	64	58	73	52
Psychology	14	21	22	33	30	39	38	32	30
Non-S&E[2]	594	587	631	734	743	810	898	974	1,065

See explanatory information and SOURCE at end of table.

Table 17. Number and percent of master's degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields	13.6	13.5	12.7	13.4	12.7	13.7	13.8	13.8	12.7
Science and engineering	16.7	16.7	15.2	15.1	15.0	18.0	16.5	17.3	14.6
Engineering	9.7	8.1	5.7	6.6	7.1	9.5	8.2	10.2	9.1
Sciences	19.6	20.1	19.9	18.9	18.4	21.6	19.6	20.2	16.6
Natural sciences	26.6	26.2	27.5	22.5	24.2	28.9	27.5	27.2	25.5
Physical science [1]	32.6	24.2	32.8	13.5	27.9	37.3	28.4	27.2	21.5
Mathematical science	13.2	15.9	18.8	19.4	31.3	30.8	24.7	19.7	31.3
Computer science	22.0	26.3	22.8	19.5	18.1	22.0	20.2	25.3	22.7
Biological science	25.9	24.6	23.4	14.6	24.0	28.9	29.0	29.4	31.9
Agricultural science	61.8	44.4	57.5	63.0	37.1	44.9	55.4	50.0	32.4
Social sciences	13.6	15.0	13.5	15.8	14.5	16.2	14.0	15.2	10.9
Social science	14.9	14.9	11.6	13.7	14.8	16.4	13.6	16.9	12.0
Psychology	10.9	15.3	19.1	20.5	13.8	16.0	14.7	12.3	9.5
Non-S&E [2]	12.9	12.7	12.1	13.0	12.2	12.6	13.2	13.1	12.3

1 In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

2 Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 18. Number and percent of master's degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all black recipients								
Total, all fields	10,238	11,626	12,425	13,929	15,318	16,590	18,504	19,509	22,996
Science and engineering	1,062	1,190	1,301	1,473	1,805	1,953	2,200	2,110	2,436
Engineering	99	134	157	167	201	210	225	244	207
Sciences	963	1,056	1,144	1,306	1,604	1,743	1,975	1,866	2,229
Natural sciences	306	317	330	386	447	465	526	472	525
Physical science[1]	30	32	47	53	61	57	70	65	59
Mathematical science	47	33	50	47	87	73	80	79	55
Computer science	133	141	115	160	148	174	169	147	216
Biological science	79	88	88	94	112	122	167	122	148
Agricultural science	17	23	30	32	39	39	40	59	47
Social sciences	657	739	814	920	1,157	1,278	1,449	1,394	1,704
Social science	332	345	385	445	512	574	584	581	628
Psychology	325	394	429	475	645	704	865	813	1,076
Non-S&E[2]	9,176	10,436	11,124	12,456	13,513	14,637	16,304	17,399	20,560
	Black recipients from HBCUs								
Total, all fields	1,752	1,849	1,957	2,263	2,505	2,726	3,054	3,152	3,421
Science and engineering	219	231	262	276	352	362	445	392	376
Engineering	8	14	18	15	21	18	27	37	20
Sciences	211	217	244	261	331	344	418	355	356
Natural sciences	90	88	98	106	155	141	178	166	155
Physical science[1]	10	5	17	11	17	16	30	20	18
Mathematical science	14	10	14	9	24	24	26	32	15
Computer science	26	30	31	47	58	47	46	37	49
Biological science	31	32	27	27	36	38	56	43	52
Agricultural science	9	11	9	12	20	16	20	34	21
Social sciences	121	129	146	155	176	203	240	189	201
Social science	75	78	67	77	68	77	98	84	92
Psychology	46	51	79	78	108	126	142	105	109
Non-S&E[2]	1,533	1,618	1,695	1,987	2,153	2,364	2,609	2,760	3,045

See explanatory information and SOURCE at end of table.

Table 18. Number and percent of master's degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields	17.1	15.9	15.8	16.2	16.4	16.4	16.5	16.2	14.9
Science and engineering	20.6	19.4	20.1	18.7	19.5	18.5	20.2	18.6	15.4
Engineering	8.1	10.4	11.5	9.0	10.4	8.6	12.0	15.2	9.7
Sciences	21.9	20.5	21.3	20.0	20.6	19.7	21.2	19.0	16.0
Natural sciences	29.4	27.8	29.7	27.5	34.7	30.3	33.8	35.2	29.5
Physical science [1]	33.3	15.6	36.2	20.8	27.9	28.1	42.9	30.8	30.5
Mathematical science	29.8	30.3	28.0	19.1	27.6	32.9	32.5	40.5	27.3
Computer science	19.5	21.3	27.0	29.4	39.2	27.0	27.2	25.2	22.7
Biological science	39.2	36.4	30.7	28.7	32.1	31.1	33.5	35.2	35.1
Agricultural science	52.9	47.8	30.0	37.5	51.3	41.0	50.0	57.6	44.7
Social sciences	18.4	17.5	17.9	16.8	15.2	15.9	16.6	13.6	11.8
Social science	22.6	22.6	17.4	17.3	13.3	13.4	16.8	14.5	14.6
Psychology	14.2	12.9	18.4	16.4	16.7	17.9	16.4	12.9	10.1
Non-S&E [2]	16.7	15.5	15.2	16.0	15.9	16.2	16.0	15.9	14.8

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 19. Number and percent of doctoral degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all black recipients								
Total, all fields	1,166	1,116	1,280	1,279	1,475	1,456	1,488	1,602	1,775
Science and engineering	464	408	469	500	560	576	623	646	728
Engineering	55	49	50	54	71	74	98	84	83
Sciences	409	359	419	446	489	502	525	562	645
Natural sciences	135	116	150	174	187	207	207	224	242
Physical science [1]	35	31	45	52	46	64	60	65	69
Mathematical science	11	4	8	11	5	8	7	16	14
Computer science	8	5	6	10	11	12	4	14	18
Biological science	64	62	75	79	108	98	111	110	123
Agricultural science	17	14	16	22	17	25	25	19	18
Social sciences	274	243	269	272	302	295	318	338	403
Social science	144	137	150	148	151	141	162	182	210
Psychology	130	106	119	124	151	154	156	156	193
Non-S&E [2]	702	708	811	779	915	880	865	956	1,047
	Black recipients from HBCUs								
Total, all fields	112	104	135	134	138	141	116	157	157
Science and engineering	53	43	60	52	59	66	61	68	67
Engineering	3	2	0	4	1	4	1	6	2
Sciences	50	41	60	48	58	62	60	62	65
Natural sciences	21	12	26	17	29	25	32	33	33
Physical science [1]	6	0	6	3	10	4	8	7	14
Mathematical science	0	0	0	2	0	0	2	2	1
Computer science	0	0	0	0	0	1	0	0	0
Biological science	15	12	19	12	18	18	19	24	18
Agricultural science	0	0	1	0	1	2	3	0	0
Social sciences	29	29	34	31	29	37	28	29	32
Social science	10	19	22	11	11	25	15	17	18
Psychology	19	10	12	20	18	12	13	12	14
Non-S&E [2]	59	61	75	82	79	75	55	89	90

See explanatory information and SOURCES at end of table.

Table 19. Number and percent of doctoral degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields	9.6	9.3	10.5	10.5	9.4	9.7	7.8	9.8	8.8
Science and engineering	11.4	10.5	12.8	10.4	10.5	11.5	9.8	10.5	9.2
Engineering	5.5	4.1	.0	7.4	1.4	5.4	1.0	7.1	2.4
Sciences	12.2	11.4	14.3	10.8	11.9	12.4	11.4	11.0	10.1
Natural sciences	15.6	10.3	17.3	9.8	15.5	12.1	15.5	14.7	13.6
Physical science [1]	17.1	.0	13.3	5.8	21.7	6.3	13.3	10.8	20.3
Mathematical science	.0	.0	.0	18.2	.0	.0	28.6	12.5	7.1
Computer science	.0	.0	.0	.0	.0	8.3	.0	.0	.0
Biological science	23.4	19.4	25.3	15.2	16.7	18.4	17.1	21.8	14.6
Agricultural science	.0	.0	6.3	.0	5.9	8.0	12.0	.0	.0
Social sciences	10.6	11.9	12.6	11.4	9.6	12.5	8.8	8.6	7.9
Social science	6.9	13.9	14.7	7.4	7.3	17.7	9.3	9.3	8.6
Psychology	14.6	9.4	10.1	16.1	11.9	7.8	8.3	7.7	7.3
Non-S&E [2]	8.4	8.6	9.2	10.5	8.6	8.5	6.4	9.3	8.6

1 In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

2 Non-S&E refers to non-science and non-engineering.

NOTES: Data for 1999 are omitted to be consistent with other tables on bachelor's and master's degrees in this report. Data on doctorates for 1999 are available from Science and Engineering Doctorate Awards: 2000 (NSF-02-305).

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

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Table 20. Number and percent of doctoral degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all black recipients								
Total, all fields	552	519	579	553	615	641	641	613	650
Science and engineering	270	238	261	284	290	323	332	296	324
Engineering	47	43	39	41	56	55	75	62	58
Sciences	223	195	222	243	234	268	257	234	266
Natural sciences	88	80	99	104	115	147	126	102	121
Physical science[1]	29	24	35	38	28	49	48	31	44
Mathematical science	7	4	7	8	4	6	5	9	7
Computer science	4	4	2	8	7	9	3	6	13
Biological science	32	38	43	34	65	58	51	41	47
Agricultural science	16	10	12	16	11	25	19	15	10
Social sciences	135	115	123	139	119	121	131	132	145
Social science	91	87	79	93	80	82	88	89	100
Psychology	44	28	44	46	39	39	43	43	45
Non-S&E[2]	282	281	318	269	325	318	309	317	326
	Black recipients from HBCUs								
Total, all fields	58	48	56	55	57	68	52	58	54
Science and engineering	32	23	30	28	32	40	33	35	31
Engineering	3	2	0	3	1	3	1	6	1
Sciences	29	21	30	25	31	37	32	29	30
Natural sciences	15	5	15	7	17	17	16	16	15
Physical science[1]	5	0	5	2	6	4	8	5	11
Mathematical science	0	0	0	1	0	0	0	2	0
Computer science	0	0	0	0	0	0	0	0	0
Biological science	10	5	9	4	10	11	7	9	4
Agricultural science	0	0	1	0	1	2	1	0	0
Social sciences	14	16	15	18	14	20	16	13	15
Social science	8	14	12	10	8	16	11	10	12
Psychology	6	2	3	8	6	4	5	3	3
Non-S&E[2]	26	25	26	27	25	28	19	23	23

See explanatory information and SOURCES at end of table.

Table 20. Number and percent of doctoral degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Percent from HBCUs									
Total, all fields	10.5	9.2	9.7	9.9	9.3	10.6	8.1	9.5	8.8	8.3
Science and engineering	11.9	9.7	11.5	9.9	11.0	12.4	9.9	11.8	10.9	9.6
Engineering	6.4	4.7	0	7.3	1.8	5.5	1.3	9.7	5.5	1.7
Sciences	13.0	10.8	13.5	10.3	13.2	13.8	12.5	12.4	12.3	11.3
Natural sciences	17.0	6.3	15.2	6.7	14.8	11.6	12.7	15.7	15.0	12.4
Physical science[1]	17.2	.0	14.3	5.3	21.4	8.2	16.7	16.1	13.0	25.0
Mathematical science	0	0	0	12.5	0	0	0	22.2	0	0
Computer science	.0	0	.0	.0	.0	.0	.0	.0	.0	.0
Biological science	31.3	13.2	20.9	11.8	15.4	19.0	13.7	22.0	22.0	8.5
Agricultural science	.0	.0	8.3	.0	9.1	8.0	5.3	.0	12.5	.0
Social sciences	10.4	13.9	12.2	12.9	11.8	16.5	12.2	9.8	10.1	10.3
Social science	8.8	16.1	15.2	10.8	10.0	19.5	12.5	11.2	10.1	12.0
Psychology	13.6	7.1	6.8	17.4	15.4	10.3	11.6	7.0	10.0	6.7
Non-S&E[2]	9.2	8.9	8.2	10.0	7.7	8.8	6.1	7.3	6.7	7.1

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics, data from NSF/SRS, Survey of Earned Doctorates.

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Table 21. Number and percent of doctoral degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all black recipients								
Total, all fields	614	597	701	726	860	815	847	988	1,125
Science and engineering	194	170	208	216	270	253	291	350	404
Engineering	8	6	11	13	15	19	23	22	25
Sciences	186	164	197	203	255	234	268	328	379
Natural sciences	47	36	51	70	72	60	81	122	121
Physical science[1]	6	7	10	14	18	15	12	34	25
Mathematical science	4	0	1	3	1	2	2	7	7
Computer science	4	1	4	2	4	3	1	8	5
Biological science	32	24	32	45	43	40	60	69	76
Agricultural science	1	4	4	6	6	0	6	4	8
Social sciences	139	128	146	133	183	174	187	206	258
Social science	53	50	71	55	71	59	74	93	110
Psychology	86	78	75	78	112	115	113	113	148
Non-S&E[2]	420	427	493	510	590	562	556	638	721
	Black recipients from HBCUs								
Total, all fields	54	56	79	79	81	73	64	99	103
Science and engineering	21	20	30	24	27	26	28	33	36
Engineering	0	0	0	1	0	1	0	0	1
Sciences	21	20	30	23	27	25	28	33	35
Natural sciences	6	7	11	10	12	8	16	17	18
Physical science[1]	1	0	1	1	4	0	0	2	3
Mathematical science	0	0	0	1	0	0	2	0	1
Computer science	0	0	0	0	0	1	0	0	0
Biological science	5	7	10	8	8	7	12	15	14
Agricultural science	0	0	0	0	0	0	2	0	0
Social sciences	15	13	19	13	15	17	12	16	17
Social science	2	5	10	1	3	9	4	7	6
Psychology	13	8	9	12	12	8	8	9	11
Non-S&E[2]	33	36	49	55	54	47	36	66	67

See explanatory information and SOURCES at end of table.

Table 21. Number and percent of doctoral degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields	8.8	9.4	11.3	10.9	9.4	9.0	7.6	10.0	9.2
Science and engineering	10.8	11.8	14.4	11.1	10.0	10.3	9.6	9.4	8.9
Engineering	.0	.0	.0	7.7	.0	5.3	.0	.0	4.0
Sciences	11.3	12.2	15.2	11.3	10.6	10.7	10.4	10.1	9.2
Natural sciences	12.8	19.4	21.6	14.3	16.7	13.3	19.8	13.9	14.9
Physical science[1]	16.7	0	10.0	7.1	22.2	.0	.0	5.9	12.0
Mathematical science	.0	0	.0	33.3	.0	.0	100.0	.0	14.3
Computer science	.0	.0	.0	.0	.0	33.3	.0	.0	.0
Biological science	15.6	29.2	31.3	17.8	18.6	17.5	20.0	21.7	18.4
Agricultural science	.0	.0	.0	.0	.0	0	33.3	.0	.0
Social sciences	10.8	10.2	13.0	9.8	8.2	9.8	6.4	7.8	6.6
Social science	3.8	10.0	14.1	1.8	4.2	15.3	5.4	7.5	5.5
Psychology	15.1	10.3	12.0	15.4	10.7	7.0	7.1	8.0	7.4
Non-S&E[2]	7.9	8.4	9.9	10.8	9.2	8.4	6.5	10.3	9.3

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Data for 1999 are omitted to be consistent with other tables on bachelor's and master's degrees in this report. Data on doctorates for 1999 are available from Science and Engineering Doctorate Awards: 2000 (NSF-02-305).

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

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Table 22. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all Hispanic recipients								
Total, all fields	49,027	53,007	57,845	62,683	66,691	71,015	74,938	78,125	88,324
Science and engineering	15,351	17,391	18,442	20,529	22,190	23,791	25,266	26,725	28,939
Engineering	2,566	2,733	2,961	3,143	3,651	3,731	4,125	4,125	4,068
Sciences	12,785	14,658	15,481	17,386	18,539	20,060	21,141	22,600	24,871
Natural sciences	4,705	4,892	5,034	5,648	6,119	6,764	7,055	7,881	8,767
Physical science[1]	533	546	599	733	800	872	853	914	1,010
Mathematical science	480	482	470	543	536	585	581	642	640
Computer science	1,215	1,173	1,096	1,135	1,307	1,280	1,267	1,410	2,035
Biological science	2,264	2,477	2,652	2,901	3,090	3,521	3,793	4,283	4,446
Agricultural science	213	214	217	336	386	506	561	632	636
Social sciences	8,080	9,766	10,447	11,738	12,420	13,296	14,086	14,719	16,104
Social science	5,334	6,519	6,860	7,748	7,877	8,260	8,804	9,210	9,977
Psychology	2,746	3,247	3,587	3,990	4,543	5,036	5,282	5,509	6,127
Non-S&E[2]	33,676	35,616	39,403	42,154	44,501	47,224	49,672	51,400	59,385
	Hispanic recipients from institutions in Puerto Rico								
Total, all fields	12,510	12,755	13,359	13,454	13,792	14,106	14,093	13,905	16,147
Science and engineering	2,952	3,007	3,001	3,205	3,501	3,628	3,849	3,889	4,193
Engineering	554	686	697	742	988	915	1,125	971	969
Sciences	2,398	2,321	2,304	2,463	2,513	2,713	2,724	2,918	3,224
Natural sciences	1,446	1,339	1,300	1,374	1,459	1,658	1,641	1,858	2,036
Physical science[1]	154	172	172	227	311	324	303	314	381
Mathematical science	108	34	41	27	27	39	24	20	29
Computer science	327	296	254	258	257	263	202	248	282
Biological science	797	837	833	808	812	964	1,021	1,159	1,226
Agricultural science	60	0	0	54	52	68	91	117	118
Social sciences	952	982	1,004	1,089	1,054	1,055	1,083	1,060	1,188
Social science	523	496	508	590	554	549	603	596	601
Psychology	429	486	496	499	500	506	480	464	587
Non-S&E[2]	9,558	9,748	10,358	10,249	10,291	10,478	10,244	10,016	11,954

See explanatory information and SOURCE at end of table.

Table 22. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields	25.5	24.1	23.1	21.5	20.7	19.9	18.8	17.8	18.3
Science and engineering	19.2	17.3	16.3	15.6	15.8	15.2	15.2	14.6	14.5
Engineering	21.6	25.1	23.5	23.6	27.1	24.5	27.3	23.5	23.8
Sciences	18.8	15.8	14.9	14.2	13.6	13.5	12.9	12.9	13.0
Natural sciences	30.7	27.4	25.8	24.3	23.8	24.5	23.3	23.6	23.2
Physical science[1]	28.9	31.5	28.7	31.0	38.9	37.2	35.5	34.4	37.7
Mathematical science	22.5	7.1	8.7	5.0	5.0	6.7	4.1	3.1	4.5
Computer science	26.9	25.2	23.2	22.7	19.7	20.5	15.9	17.6	13.9
Biological science	35.2	33.8	31.4	27.9	26.3	27.4	26.9	27.1	27.6
Agricultural science	28.2	.0	.0	16.1	13.5	13.4	16.2	18.5	18.6
Social sciences	11.8	10.1	9.6	9.3	8.5	7.9	7.7	7.2	7.4
Social science	9.8	7.6	7.4	7.6	7.0	6.6	6.8	6.5	6.0
Psychology	15.6	15.0	13.8	12.5	11.0	10.0	9.1	8.4	9.6
Non-S&E[2]	28.4	27.4	26.3	24.3	23.1	22.2	20.6	19.5	20.1

1 In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

2 Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 23. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all Hispanic recipients								
Total, all fields	20,781	22,026	23,825	25,860	27,875	29,335	30,550	31,716	34,657
Science and engineering	7,888	8,730	9,160	10,190	11,031	11,592	12,044	12,622	13,126
Engineering	2,039	2,187	2,355	2,495	2,895	2,897	3,196	3,179	3,081
Sciences	5,849	6,543	6,805	7,695	8,136	8,695	8,848	9,443	10,045
Natural sciences	2,458	2,497	2,608	2,925	3,196	3,509	3,544	3,873	4,278
Physical science [1]	316	326	361	415	437	488	468	474	505
Mathematical science	259	279	273	300	315	354	340	338	348
Computer science	738	724	700	719	876	824	841	920	1,373
Biological science	1,019	1,043	1,144	1,298	1,340	1,560	1,598	1,823	1,736
Agricultural science	124	125	130	193	228	283	297	318	316
Social sciences	3,391	4,046	4,197	4,770	4,940	5,186	5,304	5,570	5,767
Social science	2,634	3,220	3,269	3,774	3,774	3,860	4,019	4,188	4,339
Psychology	757	826	928	996	1,166	1,326	1,285	1,382	1,428
Non-S&E [2]	12,893	13,296	14,665	15,670	16,844	17,743	18,506	19,094	21,531
	Hispanic recipients from institutions in Puerto Rico								
Total, all fields	4,569	4,252	4,369	4,513	4,864	4,966	4,948	4,770	5,522
Science and engineering	1,365	1,362	1,339	1,426	1,657	1,711	1,789	1,762	1,822
Engineering	398	498	511	534	743	661	791	698	684
Sciences	967	864	828	892	914	1,050	998	1,064	1,138
Natural sciences	612	520	496	540	609	692	656	717	798
Physical science [1]	70	78	70	86	131	143	134	123	132
Mathematical science	50	20	24	15	16	28	16	12	20
Computer science	170	159	147	149	164	162	123	136	189
Biological science	293	263	255	258	265	322	331	385	394
Agricultural science	29	0	0	32	33	37	52	61	63
Social sciences	355	344	332	352	305	358	342	347	340
Social science	245	243	211	248	220	218	249	250	229
Psychology	110	101	121	104	85	140	93	97	111
Non-S&E [2]	3,204	2,890	3,030	3,087	3,207	3,255	3,159	3,008	3,700

See explanatory information and SOURCE at end of table.

Table 23. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields	22.0	19.3	18.3	17.5	17.4	16.9	16.2	15.0	15.9
Science and engineering	17.3	15.6	14.6	14.0	15.0	14.8	14.9	14.0	13.9
Engineering	19.5	22.8	21.7	21.4	25.7	22.8	24.7	22.0	22.2
Sciences	16.5	13.2	12.2	11.6	11.2	12.1	11.3	11.3	11.3
Natural sciences	24.9	20.8	19.0	18.5	19.1	19.7	18.5	18.5	18.7
Physical science [1]	22.0	23.9	19.4	20.7	30.0	29.3	28.6	25.9	26.1
Mathematical science	19.3	7.2	8.8	5.0	5.1	7.9	4.7	3.6	5.7
Computer science	23.0	22.0	21.0	20.7	18.7	19.7	14.6	14.8	13.8
Biological science	28.8	25.2	22.3	19.9	19.8	20.6	20.7	21.1	22.7
Agricultural science	23.4	.0	.0	16.6	14.5	13.1	17.5	19.2	19.9
Social sciences	10.5	8.5	7.9	7.4	6.2	6.9	6.4	6.2	5.9
Social science	9.3	7.5	6.5	6.6	5.8	5.6	6.2	6.0	5.3
Psychology	14.5	12.2	13.0	10.4	7.3	10.6	7.2	7.0	7.8
Non-S&E [2]	24.9	21.7	20.7	19.7	19.0	18.3	17.1	15.8	17.2

1 In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

2 Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 24. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all Hispanic recipients								
Total, all fields	28,246	30,981	34,020	36,823	38,816	41,680	44,388	46,409	53,667
Science and engineering	7,463	8,661	9,282	10,339	11,159	12,199	13,222	14,103	15,813
Engineering	527	546	606	648	756	834	929	946	987
Sciences	6,936	8,115	8,676	9,691	10,403	11,365	12,293	13,157	14,826
Natural sciences	2,247	2,395	2,426	2,723	2,923	3,255	3,511	4,008	4,489
Physical science [1]	215	220	238	318	363	384	385	440	505
Mathematical science	221	203	197	243	221	231	241	304	292
Computer science	477	449	396	416	431	456	426	490	662
Biological science	1,245	1,434	1,508	1,603	1,750	1,961	2,195	2,460	2,710
Agricultural science	89	89	87	143	158	223	264	314	320
Social sciences	4,689	5,720	6,250	6,968	7,480	8,110	8,782	9,149	10,337
Social science	2,700	3,299	3,591	3,974	4,103	4,400	4,785	5,022	5,638
Psychology	1,989	2,421	2,659	2,994	3,377	3,710	3,997	4,127	4,699
Non-S&E [2]	20,783	22,320	24,738	26,484	27,657	29,481	31,166	32,306	37,854
	Hispanic recipients from institutions in Puerto Rico								
Total, all fields	7,941	8,503	8,990	8,941	8,928	9,140	9,145	9,135	10,625
Science and engineering	1,587	1,645	1,662	1,779	1,844	1,917	2,060	2,127	2,371
Engineering	156	188	186	208	245	254	334	273	285
Sciences	1,431	1,457	1,476	1,571	1,599	1,663	1,726	1,854	2,086
Natural sciences	834	819	804	834	850	966	985	1,141	1,238
Physical science [1]	84	94	102	141	180	181	169	191	249
Mathematical science	58	14	17	12	11	11	8	8	9
Computer science	157	137	107	109	93	101	79	112	93
Biological science	504	574	578	550	547	642	690	774	832
Agricultural science	31	0	0	22	19	31	39	56	55
Social sciences	597	638	672	737	749	697	741	713	848
Social science	278	253	297	342	334	331	354	346	372
Psychology	319	385	375	395	415	366	387	367	476
Non-S&E [2]	6,354	6,858	7,328	7,162	7,084	7,223	7,085	7,008	8,254

See explanatory information and SOURCE at end of table.

Table 24. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields	28.1	27.4	26.4	24.3	23.0	21.9	20.6	19.7	19.8
Science and engineering	21.3	19.0	17.9	17.2	16.5	15.7	15.6	15.1	15.0
Engineering	29.6	34.4	30.7	32.1	32.4	30.5	36.0	28.9	28.9
Sciences	20.6	18.0	17.0	16.2	15.4	14.6	14.0	14.1	14.1
Natural sciences	37.1	34.2	33.1	30.6	29.1	29.7	28.1	28.5	27.6
Physical science[1]	39.1	42.7	42.9	44.3	49.6	47.1	43.9	43.4	49.3
Mathematical science	26.2	6.9	8.6	4.9	5.0	4.8	3.3	2.6	3.1
Computer science	32.9	30.5	27.0	26.2	21.6	22.1	18.5	22.9	14.0
Biological science	40.5	40.0	38.3	34.3	31.3	32.7	31.4	31.5	30.7
Agricultural science	34.8	.0	.0	15.4	12.0	13.9	14.8	17.8	17.2
Social sciences	12.7	11.2	10.8	10.6	10.0	8.6	8.4	7.8	8.2
Social science	10.3	7.7	8.3	8.6	8.1	7.5	7.4	6.9	6.6
Psychology	16.0	15.9	14.1	13.2	12.3	9.9	9.7	8.9	10.1
Non-S&E[2]	30.6	30.7	29.6	27.0	25.6	24.5	22.7	21.7	21.8

1 In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

2 Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994, therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 25. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all Hispanic recipients								
Total, all fields	9,684	10,256	11,371	13,177	13,905	15,394	16,360	17,416	20,803
Science and engineering	1,736	1,806	2,092	2,514	2,585	2,730	2,882	3,071	3,319
Engineering	468	488	581	719	711	748	765	807	852
Sciences	1,268	1,318	1,511	1,795	1,874	1,982	2,117	2,264	2,467
Natural sciences	494	503	574	680	665	677	720	737	882
Physical science [1]	96	93	114	114	129	127	139	149	126
Mathematical science	85	66	78	75	75	91	71	91	97
Computer science	128	149	162	169	198	173	197	193	262
Biological science	136	146	151	138	167	191	208	188	264
Agricultural science	49	49	69	184	96	95	105	116	133
Social sciences	774	815	937	1,115	1,209	1,305	1,397	1,527	1,585
Social science	383	396	474	557	553	596	626	676	686
Psychology	391	419	463	558	656	709	771	851	899
Non-S&E [2]	7,948	8,450	9,279	10,663	11,320	12,664	13,478	14,345	17,484
	Hispanic recipients from institutions in Puerto Rico								
Total, all fields	1,223	1,224	1,241	1,682	1,523	1,491	1,544	1,693	2,527
Science and engineering	214	140	160	311	289	288	339	371	536
Engineering	23	0	1	86	64	75	83	106	128
Sciences	191	140	159	225	225	213	256	265	408
Natural sciences	83	27	47	68	72	91	105	108	154
Physical science [1]	16	9	12	18	17	31	33	37	36
Mathematical science	17	7	14	8	9	6	7	6	10
Computer science	0	0	4	5	6	5	9	12	41
Biological science	39	11	17	18	20	37	28	22	27
Agricultural science	11	0	0	19	20	12	28	31	40
Social sciences	108	113	112	157	153	122	151	157	254
Social science	31	32	30	36	17	28	27	18	34
Psychology	77	81	82	121	136	94	124	139	220
Non-S&E [2]	1,009	1,084	1,081	1,371	1,234	1,203	1,205	1,322	1,991

See explanatory information and SOURCE at end of table.

Table 25. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields	12.6	11.9	10.9	12.8	11.0	9.7	9.4	9.7	12.1
Science and engineering	12.3	7.8	7.6	12.4	11.2	10.5	11.8	12.1	16.1
Engineering	4.9	.0	.2	12.0	9.0	10.0	10.8	13.1	15.0
Sciences	15.1	10.6	10.5	12.5	12.0	10.7	12.1	11.7	16.5
Natural sciences	16.8	5.4	8.2	10.0	10.8	13.4	14.6	14.7	17.5
Physical science [1]	16.7	9.7	10.5	15.8	13.2	24.4	23.7	24.8	28.6
Mathematical science	20.0	10.6	17.9	10.7	12.0	6.6	9.9	6.6	10.3
Computer science	.0	.0	2.5	3.0	3.0	2.9	4.6	6.2	15.6
Biological science	28.7	7.5	11.3	13.0	12.0	19.4	13.5	11.7	10.2
Agricultural science	22.4	.0	.0	10.3	20.8	12.6	26.7	26.7	30.1
Social sciences	14.0	13.9	12.0	14.1	12.7	9.3	10.8	10.3	16.0
Social science	8.1	8.1	6.3	6.5	3.1	4.7	4.3	2.7	5.0
Psychology	19.7	19.3	17.7	21.7	20.7	13.3	16.1	16.3	24.5
Non-S&E [2]	12.7	12.8	11.6	12.9	10.9	9.5	8.9	9.2	11.4

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 26. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all Hispanic recipients								
Total, all fields	4,124	4,381	4,875	5,483	5,725	6,072	6,466	6,848	8,004
Science and engineering	992	1,066	1,255	1,427	1,458	1,478	1,576	1,596	1,716
Engineering	378	408	480	582	578	580	589	629	651
Sciences	614	658	775	845	880	898	987	967	1,065
Natural sciences	294	309	341	414	423	402	435	415	498
Physical science[1]	73	64	76	80	88	80	86	87	77
Mathematical science	52	47	50	44	53	57	50	51	57
Computer science	84	98	104	120	151	125	141	123	183
Biological science	54	69	76	65	75	85	107	96	122
Agricultural science	31	31	35	105	56	55	51	58	59
Social sciences	320	349	434	431	457	496	552	552	567
Social science	196	218	282	290	283	320	344	333	329
Psychology	124	131	152	141	174	176	208	219	238
Non-S&E[2]	3,132	3,315	3,620	4,056	4,267	4,594	4,890	5,252	6,288
	Hispanic recipients from institutions in Puerto Rico								
Total, all fields	386	398	402	586	500	497	531	574	832
Science and engineering	80	48	56	154	130	144	148	169	237
Engineering	15	0	1	68	51	61	56	76	93
Sciences	65	48	55	86	79	83	92	93	144
Natural sciences	39	12	23	43	47	49	48	54	77
Physical science[1]	9	4	6	15	14	16	19	17	20
Mathematical science	9	4	11	5	6	3	4	6	7
Computer science	0	0	1	3	3	3	4	6	29
Biological science	13	4	5	8	10	19	11	13	10
Agricultural science	8	0	0	12	14	8	10	12	11
Social sciences	26	36	32	43	32	34	44	39	67
Social science	8	14	16	25	9	14	16	10	20
Psychology	18	22	16	18	23	20	28	29	47
Non-S&E[2]	306	350	346	432	370	353	383	405	595

See explanatory information and SOURCE at end of table.

Table 26. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields	9.4	9.1	8.2	10.7	8.7	8.2	8.2	8.4	10.4
Science and engineering	8.1	4.5	4.5	10.8	8.9	9.7	9.4	10.6	13.8
Engineering	4.0	.0	.2	11.7	8.8	10.5	9.5	12.1	14.3
Sciences	10.6	7.3	7.1	10.2	9.0	9.2	9.3	9.6	13.5
Natural sciences	13.3	3.9	6.7	10.4	11.1	12.2	11.0	13.0	15.5
Physical science [1]	12.3	6.3	7.9	16.8	15.9	20.0	22.1	19.5	26.0
Mathematical science	17.3	8.5	22.0	11.4	11.3	5.3	8.0	11.8	12.3
Computer science	.0	.0	1.0	2.5	2.0	2.4	2.8	4.9	15.8
Biological science	24.1	5.8	6.6	12.3	13.3	22.4	10.3	13.5	8.2
Agricultural science	25.8	.0	.0	11.4	25.0	14.5	19.6	20.7	16.6
Social sciences	8.1	10.3	7.4	10.0	7.0	6.9	8.0	7.1	11.8
Social science	4.1	6.4	5.7	8.6	3.2	4.4	4.7	3.0	6.1
Psychology	14.5	16.8	10.5	12.8	13.2	11.4	13.5	13.2	19.7
Non-S&E [2]	9.8	10.6	9.6	10.7	8.7	7.7	7.8	7.7	9.5

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics, Integrated Postsecondary Education Data System Completions Survey.

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Table 27. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all Hispanic recipients								
Total, all fields	5,560	5,875	6,498	7,694	8,180	9,322	9,894	10,568	12,799
Science and engineering	744	740	837	1,067	1,127	1,252	1,306	1,475	1,803
Engineering	90	80	101	137	133	168	176	176	201
Sciences	654	660	736	930	994	1,084	1,130	1,297	1,402
Natural sciences	200	194	233	266	242	275	285	322	384
Physical science[1]	23	29	38	34	41	47	53	62	49
Mathematical science	33	19	26	31	22	34	21	40	40
Computer science	44	51	58	49	47	48	56	70	79
Biological science	82	77	75	73	92	106	101	92	142
Agricultural science	18	18	34	79	40	40	54	58	74
Social sciences	454	466	503	664	752	809	845	975	1,018
Social science	187	178	192	247	270	276	282	343	357
Psychology	267	288	311	417	482	533	563	632	661
Non-S&E[2]	4,816	5,135	5,659	6,607	7,053	8,070	8,588	9,093	11,196
	Hispanic recipients from institutions in Puerto Rico								
Total, all fields	837	826	839	1,096	1,023	994	1,013	1,119	1,695
Science and engineering	134	92	104	157	159	144	191	202	299
Engineering	8	0	0	18	13	14	27	30	35
Sciences	126	92	104	139	146	130	164	172	264
Natural sciences	44	15	24	25	25	42	57	54	77
Physical science[1]	7	5	6	3	3	15	14	20	16
Mathematical science	8	3	3	3	3	3	3	0	3
Computer science	0	0	3	2	3	2	5	6	12
Biological science	26	7	12	10	10	18	17	9	17
Agricultural science	3	0	0	7	6	4	18	19	29
Social sciences	82	77	80	114	121	88	107	118	187
Social science	23	18	14	11	8	14	11	8	14
Psychology	59	59	66	103	113	74	96	110	173
Non-S&E[2]	703	734	735	939	864	850	822	917	1,396

See explanatory information and SOURCE at end of table.

Table 27. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields	15.1	14.1	12.9	14.2	12.5	10.7	10.2	10.6	13.2
Science and engineering	18.0	12.4	12.4	14.4	14.1	11.5	14.6	13.7	18.7
Engineering	8.9	.0	.0	13.1	9.8	8.3	15.3	16.9	17.4
Sciences	19.3	13.9	14.1	14.6	14.7	12.0	14.5	13.3	18.8
Natural sciences	22.0	7.7	10.3	9.4	10.3	15.3	20.0	16.8	20.1
Physical science[1]	30.4	17.2	15.8	8.8	7.3	31.9	26.4	32.3	32.7
Mathematical science	24.2	15.8	10.7	9.7	13.6	8.8	14.3	.0	7.5
Computer science	.0	.0	5.2	4.1	6.4	4.2	8.9	8.6	15.2
Biological science	31.7	9.1	16.0	13.7	10.9	17.0	16.8	9.8	12.0
Agricultural science	16.7	.0	.0	8.9	15.0	10.0	33.3	32.8	39.2
Social sciences	18.1	16.5	15.9	16.7	16.1	10.9	12.7	12.1	18.4
Social science	12.3	10.1	7.3	4.1	3.0	5.1	3.9	2.3	3.9
Psychology	22.1	20.5	21.2	24.7	23.4	13.9	17.1	17.4	26.2
Non-S&E[2]	14.6	14.3	13.0	14.2	12.3	10.5	9.6	10.1	12.5

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics, Integrated Postsecondary Education Data System Completions Survey

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Table 28. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all Hispanic recipients								
Total, all fields	868	909	972	1,030	1,054	1,103	1,193	1,324	1,279
Science and engineering	493	513	542	548	563	618	656	753	704
Engineering	61	71	66	66	76	97	95	110	80
Sciences	432	442	476	482	487	521	561	643	624
Natural sciences	212	228	249	274	253	251	295	314	321
Physical science[1]	81	88	92	98	86	85	85	70	95
Mathematical science	9	12	16	13	15	10	20	27	14
Computer science	12	8	7	7	6	16	17	14	13
Biological science	95	102	114	131	125	128	146	168	173
Agricultural science	15	18	20	25	21	12	27	35	26
Social sciences	220	214	227	208	234	270	266	329	303
Social science	98	81	96	75	89	97	96	121	109
Psychology	122	133	131	133	145	173	170	208	194
Non-S&E[2]	375	396	430	482	491	485	537	571	575
	Hispanic recipients from institutions in Puerto Rico								
Total, all fields	25	50	30	57	51	43	91	107	93
Science and engineering	12	26	14	30	36	29	50	73	58
Engineering	0	0	0	0	0	0	0	0	0
Sciences	12	26	14	30	36	29	50	73	58
Natural sciences	5	5	6	12	5	3	7	9	15
Physical science[1]	3	4	4	7	5	3	6	4	5
Mathematical science	0	0	0	0	0	0	0	0	0
Computer science	0	0	0	0	0	0	0	0	0
Biological science	2	1	2	5	0	0	1	5	10
Agricultural science	0	0	0	0	0	0	0	0	0
Social sciences	7	21	8	18	31	26	43	64	43
Social science	1	5	0	1	0	0	1	0	0
Psychology	6	16	8	17	31	26	42	64	43
Non-S&E[2]	13	24	16	27	15	14	41	34	35

See explanatory information and SOURCES at end of table.

Table 28. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields	2.9	5.5	3.1	5.5	4.8	3.9	7.6	8.1	7.3
Science and engineering	2.4	5.1	2.6	5.5	6.4	4.7	7.6	9.7	8.2
Engineering	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sciences	2.8	5.9	2.9	6.2	7.4	5.6	8.9	11.4	9.3
Natural sciences	2.4	2.2	2.4	4.4	2.0	1.2	2.4	2.9	4.7
Physical science[1]	3.7	4.5	4.3	7.1	5.8	3.5	7.1	5.7	5.3
Mathematical science	.0	.0	.0	.0	.0	.0	.0	.0	.0
Computer science	.0	.0	.0	.0	.0	.0	.0	.0	.0
Biological science	2.1	1.0	1.8	3.8	.0	.0	.7	3.0	5.8
Agricultural science	.0	.0	.0	.0	.0	.0	.0	.0	.0
Social sciences	3.2	9.8	3.5	8.7	13.2	9.6	16.2	19.5	14.2
Social science	1.0	6.2	.0	1.3	.0	.0	1.0	.0	.0
Psychology	4.9	12.0	6.1	12.8	21.4	15.0	24.7	30.8	22.2
Non-S&E[2]	3.5	6.1	3.7	5.6	3.1	2.9	7.6	6.0	6.1

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Data for 1999 are omitted to be consistent with other tables on bachelor's and master's degrees in this report. Data on doctorates for 1999 are available from Science and Engineering Doctorate Awards: 2000 (NSF-02-305).

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS, Survey of Earned Doctorates

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Table 29. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all Hispanic recipients								
Total, all fields	459	482	517	518	537	560	624	681	599
Science and engineering	307	308	320	318	336	346	392	427	370
Engineering	51	56	54	60	65	82	72	97	68
Sciences	256	252	266	258	271	264	320	330	302
Natural sciences	152	151	162	174	167	157	198	197	181
Physical science [1]	68	62	70	75	59	67	65	53	67
Mathematical science	5	9	14	10	11	10	14	20	7
Computer science	11	7	6	7	2	9	15	13	10
Biological science	56	59	57	69	79	62	84	89	82
Agricultural science	12	14	15	13	16	9	20	22	15
Social sciences	104	101	104	84	104	107	122	133	121
Social science	52	46	59	41	56	54	59	77	67
Psychology	52	55	45	43	48	53	63	56	54
Non-S&E [2]	152	174	197	200	201	214	232	254	229
	Hispanic recipients from institutions in Puerto Rico								
Total, all fields	7	14	10	18	16	15	30	23	25
Science and engineering	3	11	7	11	13	11	18	15	14
Engineering	0	0	0	0	0	0	0	0	0
Sciences	3	11	7	11	13	11	18	15	14
Natural sciences	2	4	4	6	4	2	3	4	4
Physical science [1]	2	3	2	5	4	2	3	0	3
Mathematical science	0	0	0	0	0	0	0	0	0
Computer science	0	0	0	0	0	0	0	0	0
Biological science	0	1	2	1	0	0	0	4	1
Agricultural science	0	0	0	0	0	0	0	0	0
Social sciences	1	7	3	5	9	9	15	11	10
Social science	0	0	0	0	0	0	0	0	0
Psychology	1	7	3	5	9	9	15	11	10
Non-S&E [2]	4	3	3	7	3	4	12	8	11

See explanatory information and SOURCES at end of table.

Table 29. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields	1.5	2.9	1.9	3.5	3.0	2.7	4.8	3.4	4.2
Science and engineering	1.0	3.6	2.2	3.5	3.9	3.2	4.6	3.5	3.8
Engineering	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sciences	1.2	4.4	2.6	4.3	4.8	4.2	5.6	4.5	4.6
Natural sciences	1.3	2.6	2.5	3.4	2.4	1.3	1.5	2.0	2.2
Physical science [1]	2.9	4.8	2.9	6.7	6.8	3.0	4.6	.0	4.5
Mathematical science	.0	.0	.0	.0	.0	.0	.0	.0	.0
Computer science	.0	.0	.0	.0	.0	.0	.0	.0	.0
Biological science	.0	1.7	3.5	1.4	.0	.0	.0	4.5	1.2
Agricultural science	.0	.0	.0	.0	.0	.0	.0	.0	.0
Social sciences	1.0	6.9	2.9	6.0	8.7	8.4	12.3	8.3	8.3
Social science	.0	.0	.0	.0	.0	.0	.0	.0	.0
Psychology	1.9	12.7	6.7	11.6	18.8	17.0	23.8	19.6	18.5
Non-S&E [2]	2.6	1.7	1.5	3.5	1.5	1.9	5.2	3.1	4.8

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Data for 1999 are omitted to be consistent with other tables on bachelor's and master's degrees in this report. Data on doctorates for 1999 are available from Science and Engineering Doctorate Awards: 2000 (NSF-02-305).

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics, data from NSF/SRS: Survey of Earned Doctorates

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Table 30. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total, all Hispanic recipients								
Total, all fields	409	427	455	512	517	543	569	642	680
Science and engineering	186	205	222	230	227	272	264	326	334
Engineering	10	15	12	6	11	15	23	13	12
Sciences	176	190	210	224	216	257	241	313	322
Natural sciences	60	77	87	100	86	94	97	117	140
Physical science[1]	13	26	22	23	27	18	20	17	28
Mathematical science	4	3	2	3	4	0	6	7	7
Computer science	1	1	1	0	4	7	2	1	3
Biological science	39	43	57	62	46	66	62	79	91
Agricultural science	3	4	5	12	5	3	7	13	11
Social sciences	116	113	123	124	130	163	144	196	182
Social science	46	35	37	34	33	43	37	44	42
Psychology	70	78	86	90	97	120	107	152	140
Non-S&E[2]	223	222	233	282	290	271	305	316	346
	Hispanic recipients from institutions in Puerto Rico								
Total, all fields	18	36	20	39	35	28	61	84	68
Science and engineering	9	15	7	19	23	18	32	58	44
Engineering	0	0	0	0	0	0	0	0	0
Sciences	9	15	7	19	23	18	32	58	44
Natural sciences	3	1	2	6	1	1	4	5	11
Physical science[1]	1	1	2	2	1	1	3	4	2
Mathematical science	0	0	0	0	0	0	0	0	0
Computer science	0	0	0	0	0	0	0	0	0
Biological science	2	0	0	4	0	0	1	1	9
Agricultural science	0	0	0	0	0	0	0	0	0
Social sciences	6	14	5	13	22	17	28	53	33
Social science	1	5	0	1	0	0	1	0	0
Psychology	5	9	5	12	22	17	27	53	33
Non-S&E[2]	9	21	13	20	12	10	29	26	24

See explanatory information and SOURCES at end of table.

Table 30. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991-2000

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields	4.4	6.4	4.4	7.6	6.8	5.2	10.7	13.1	10.0
Science and engineering	4.8	7.3	3.2	8.3	10.1	5.6	12.1	17.8	13.2
Engineering	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sciences	5.1	7.9	3.3	8.5	10.6	7.0	13.3	18.5	13.7
Natural sciences	5.0	1.3	2.3	6.0	1.2	1.1	4.1	4.3	7.9
Physical science [1]	7.7	3.8	9.1	8.7	3.7	5.6	15.0	23.5	7.1
Mathematical science	.0	.0	.0	.0	.0	0	.0	.0	.0
Computer science	.0	.0	.0	0	.0	.0	.0	.0	.0
Biological science	5.1	.0	.0	6.5	.0	.0	1.6	1.3	9.9
Agricultural science	.0	.0	.0	.0	.0	.0	.0	.0	.0
Social sciences	5.2	12.4	4.1	10.5	16.9	10.4	19.4	27.0	18.1
Social science	2.2	14.3	.0	2.9	.0	.0	2.7	.0	.0
Psychology	7.1	11.5	5.8	13.3	22.7	14.2	25.2	34.9	23.6
Non-S&E [2]	4.0	9.5	5.6	7.1	4.1	3.7	9.5	8.2	6.9

[1] In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

[2] Non-S&E refers to non-science and non-engineering.

NOTES: Data for 1999 are omitted to be consistent with other tables on bachelor's and master's degrees in this report. Data on doctorates for 1999 are available from Science and Engineering Doctorate Awards: 2000 (NSF-02-305).

Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

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Table 31. Number of earned bachelor's degrees awarded in engineering technologies, by citizenship, race/ethnicity, and sex of recipient: 1991-2000

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total	18,294	17,113	16,987	16,654	16,542	16,156	14,584	14,747	15,118
U.S. citizens and permanent residents, total[1]	17,582	16,597	16,546	16,161	15,992	15,571	14,027	14,157	14,677
White, non-Hispanics	14,279	13,286	13,245	12,909	12,616	12,032	10,946	10,977	10,762
Asians/Pacific Islanders	768	778	768	720	727	730	473	471	738
Underrepresented minorities, total	2,033	2,074	2,096	2,160	2,317	2,470	2,244	2,210	2,600
Black, non-Hispanics	1,227	1,239	1,132	1,249	1,319	1,370	1,423	1,369	1,427
Hispanics	731	747	853	813	883	988	722	738	1,066
American Indians or Alaskan Natives	75	88	111	98	115	112	99	103	107
U.S. citizens and permanent residents, unknown race/ethnicity	502	459	437	372	332	339	364	499	577
Nonresident aliens[2]	712	516	441	493	550	585	557	590	441
	Men								
Total	16,329	15,309	15,089	14,835	14,649	14,325	12,889	12,931	13,202
U.S. citizens and permanent residents, total[1]	15,660	14,841	14,687	14,401	14,141	13,794	12,379	12,407	12,807
White, non-Hispanics	12,819	12,069	11,908	11,694	11,332	10,882	9,836	9,796	9,583
Asians/Pacific Islanders	700	690	678	641	637	656	421	418	662
Underrepresented minorities, total	1,692	1,659	1,694	1,729	1,881	1,956	1,781	1,756	2,073
Black, non-Hispanics	968	949	892	959	1,042	1,041	1,095	1,072	1,093
Hispanics	655	629	710	687	741	828	604	599	896
American Indians or Alaskan Natives	69	81	92	83	98	87	82	85	84
U.S. citizens and permanent residents, unknown race/ethnicity	449	423	407	337	291	300	341	437	489
Nonresident aliens[2]	669	468	402	434	508	531	510	524	395
	Women								
Total	1,965	1,804	1,898	1,819	1,893	1,831	1,695	1,816	1,916
U.S. citizens and permanent residents, total[1]	1,922	1,756	1,859	1,760	1,851	1,777	1,648	1,750	1,870
White, non-Hispanics	1,460	1,217	1,337	1,215	1,284	1,150	1,110	1,181	1,179
Asians/Pacific Islanders	68	88	90	79	90	74	52	53	76
Underrepresented minorities, total	341	415	402	431	436	514	463	454	527
Black, non-Hispanics	259	290	240	290	277	329	328	297	334
Hispanics	76	118	143	126	142	160	118	139	170
American Indians or Alaskan Natives	6	7	19	15	17	25	17	18	23
U.S. citizens and permanent residents, unknown race/ethnicity	53	36	30	35	41	39	23	62	88
Nonresident aliens[2]	43	48	39	59	42	54	47	66	46

[1] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[2] Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Engineering technologies are instructional programs that prepare individuals to support and assist engineering and related professionals or to independently provide such services. Programs stress specialized, practical knowledge related to the mathematical, scientific, or technical aspects of engineering and related sciences.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

Table 32. Number of earned master's degrees awarded in engineering technologies, by citizenship, race/ethnicity, and sex of recipient: 1991-2000

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total	1,188	1,278	1,555	1,547	1,577	1,651	1,414	1,700	1,350
U.S. citizens and permanent residents, total[1]	1,016	1,063	1,276	1,256	1,268	1,353	1,153	1,432	1,146
White, non-Hispanics	830	817	1,041	994	982	1,053	950	1,115	835
Asians/Pacific Islanders	60	58	40	46	55	61	49	62	53
Underrepresented minorities, total	69	92	94	112	131	135	115	205	160
Black, non-Hispanics	47	64	61	72	85	81	86	150	116
Hispanics	19	23	25	37	40	47	26	49	41
American Indians or Alaskan Natives	3	5	8	3	6	7	3	6	3
U.S. citizens and permanent residents, unknown race/ethnicity	57	96	101	104	100	104	39	50	98
Nonresident aliens[2]	172	215	279	291	309	298	261	268	204
	Men								
Total	888	971	1,172	1,164	1,136	1,179	1,012	1,158	902
U.S. citizens and permanent residents, total[1]	757	815	961	949	940	990	842	1,002	775
White, non-Hispanics	619	619	783	753	726	777	704	801	585
Asians/Pacific Islanders	39	45	28	33	41	41	34	40	29
Underrepresented minorities, total	47	66	57	75	89	87	76	130	98
Black, non-Hispanics	29	46	32	48	53	51	56	95	63
Hispanics	17	16	18	27	32	32	17	31	33
American Indians or Alaskan Natives	1	4	7	0	4	4	3	4	2
U.S. citizens and permanent residents, unknown race/ethnicity	52	85	93	88	84	85	28	31	63
Nonresident aliens[2]	131	156	211	215	196	189	170	156	127
	Women								
Total	300	307	383	383	441	472	402	542	448
U.S. citizens and permanent residents, total[1]	259	248	315	307	328	363	311	430	371
White, non-Hispanics	211	198	258	241	256	276	246	314	250
Asians/Pacific Islanders	21	13	12	13	14	20	15	22	24
Underrepresented minorities, total	22	26	37	37	42	48	39	75	62
Black, non-Hispanics	18	18	29	24	32	30	30	55	53
Hispanics	2	7	7	10	8	15	9	18	8
American Indians or Alaskan Natives	2	1	1	3	2	3	0	2	1
U.S. citizens and permanent residents, unknown race/ethnicity	5	11	8	16	16	19	11	19	35
Nonresident aliens[2]	41	59	68	76	113	109	91	112	77

[1] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[2] Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Engineering technologies are instructional programs that prepare individuals to support and assist engineering and related professionals or to independently provide such services. Programs stress specialized, practical knowledge related to the mathematical, scientific, or technical aspects of engineering and related sciences.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 33. Number of earned bachelor's degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1991-2000

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total	60,228	62,655	67,942	75,229	80,629	84,759	86,243	85,334	79,366
U.S. citizens and permanent residents, total[1]	59,250	61,792	66,929	74,200	79,608	83,641	85,135	84,427	78,519
White, non-Hispanics	48,798	51,328	55,482	61,624	64,992	67,509	67,823	65,778	59,261
Asians/Pacific Islanders	1,981	2,229	2,469	3,024	3,488	3,952	4,428	4,696	4,426
Underrepresented minorities, total	6,881	7,048	7,758	8,225	9,453	10,417	10,915	11,867	12,687
Black, non-Hispanics	4,122	4,151	4,670	4,817	5,691	6,186	6,438	7,059	7,593
Hispanics	2,481	2,571	2,747	3,018	3,305	3,722	3,939	4,221	4,536
American Indians or Alaskan Natives	278	326	341	390	457	509	538	587	558
U.S. citizens and permanent residents, unknown race/ethnicity	1,590	1,187	1,220	1,327	1,675	1,763	1,969	2,086	2,145
Nonresident aliens[2]	978	863	1,013	1,029	1,021	1,118	1,108	907	847
	Men								
Total	9,855	10,305	11,467	13,180	14,564	15,561	16,008	15,252	12,924
U.S. citizens and permanent residents, total[1]	9,572	10,057	11,189	12,912	14,295	15,309	15,717	15,003	12,733
White, non-Hispanics	7,717	8,230	9,081	10,627	11,503	12,249	12,367	11,361	9,263
Asians/Pacific Islanders	468	541	561	694	891	968	1,108	1,163	1,077
Underrepresented minorities, total	1,094	1,032	1,285	1,315	1,595	1,781	1,876	2,098	2,022
Black, non-Hispanics	525	530	673	659	850	920	940	1,055	1,065
Hispanics	519	441	545	576	652	768	823	902	849
American Indians or Alaskan Natives	50	61	67	80	93	93	113	141	108
U.S. citizens and permanent residents, unknown race/ethnicity	293	254	262	276	306	311	366	381	371
Nonresident aliens[2]	283	248	278	268	269	252	291	249	191
	Women								
Total	50,373	52,350	56,475	62,049	66,065	69,198	70,235	70,082	66,442
U.S. citizens and permanent residents, total[1]	49,678	51,735	55,740	61,288	65,313	68,332	69,418	69,424	65,786
White, non-Hispanics	41,081	43,098	46,401	50,997	53,489	55,260	55,456	54,417	49,998
Asians/Pacific Islanders	1,513	1,688	1,908	2,330	2,597	2,984	3,320	3,533	3,349
Underrepresented minorities, total	5,787	6,016	6,473	6,910	7,858	8,636	9,039	9,769	10,665
Black, non-Hispanics	3,597	3,621	3,997	4,158	4,841	5,266	5,498	6,004	6,528
Hispanics	1,962	2,130	2,202	2,442	2,653	2,954	3,116	3,319	3,687
American Indians or Alaskan Natives	228	265	274	310	364	416	425	446	450
U.S. citizens and permanent residents, unknown race/ethnicity	1,297	933	958	1,051	1,369	1,452	1,603	1,705	1,774
Nonresident aliens[2]	695	615	735	761	752	866	817	658	656

1 Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

2 Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Health fields include the medical and other health sciences shown in section C.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

Table 34. Number of earned master's degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1991-2000

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total	21,398	23,213	25,823	28,314	31,481	33,475	36,014	39,274	41,996
U.S. citizens and permanent residents, total[1]	20,160	21,903	24,357	26,814	29,734	31,960	34,335	37,696	40,152
White, non-Hispanics	17,002	18,464	20,509	22,154	24,141	25,894	27,968	29,754	31,517
Asians/Pacific Islanders	600	709	830	962	1,519	1,727	1,594	2,330	2,428
Underrepresented minorities, total	1,667	1,867	2,084	2,528	2,784	3,159	3,226	4,065	4,450
Black, non-Hispanics	1,004	1,092	1,251	1,431	1,609	1,804	1,910	2,384	2,537
Hispanics	572	685	718	967	1,049	1,205	1,150	1,488	1,683
American Indians or Alaskan Natives	91	90	115	130	126	150	166	193	230
U.S. citizens and permanent residents, unknown race/ethnicity	891	863	934	1,170	1,290	1,180	1,547	1,547	1,757
Nonresident aliens[2]	1,238	1,310	1,466	1,500	1,747	1,515	1,679	1,578	1,844
	Men								
Total	4,499	4,714	5,248	5,874	6,793	6,980	7,697	8,692	9,406
U.S. citizens and permanent residents, total[1]	3,956	4,175	4,638	5,274	6,078	6,352	7,011	8,101	8,743
White, non-Hispanics	3,215	3,399	3,807	4,216	4,658	4,870	5,557	6,084	6,654
Asians/Pacific Islanders	170	215	222	295	578	615	501	780	710
Underrepresented minorities, total	362	352	399	495	568	608	621	876	974
Black, non-Hispanics	194	171	207	220	280	298	325	433	486
Hispanics	146	158	172	250	261	271	264	393	423
American Indians or Alaskan Natives	22	23	20	25	27	39	32	50	65
U.S. citizens and permanent residents, unknown race/ethnicity	209	209	210	268	274	259	332	361	405
Nonresident aliens[2]	543	539	610	600	715	628	686	591	663
	Women								
Total	16,899	18,499	20,575	22,440	24,688	26,495	28,317	30,582	32,590
U.S. citizens and permanent residents, total[1]	16,204	17,728	19,719	21,540	23,656	25,608	27,324	29,595	31,409
White, non-Hispanics	13,787	15,065	16,702	17,938	19,483	21,024	22,411	23,670	24,863
Asians/Pacific Islanders	430	494	608	667	941	1,112	1,093	1,550	1,718
Underrepresented minorities, total	1,305	1,515	1,685	2,033	2,216	2,551	2,605	3,189	3,476
Black, non-Hispanics	810	921	1,044	1,211	1,329	1,506	1,585	1,951	2,051
Hispanics	426	527	546	717	788	934	886	1,095	1,260
American Indians or Alaskan Natives	69	67	95	105	99	111	134	143	165
U.S. citizens and permanent residents, unknown race/ethnicity	682	654	724	902	1,016	921	1,215	1,186	1,352
Nonresident aliens[2]	695	771	856	900	1,032	887	993	987	1,181

[1] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[2] Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Health fields include the medical and other health sciences shown in section C.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 35. Number of earned doctoral degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1991-2000

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total	1,041	1,112	1,197	1,296	1,330	1,324	1,422	1,501	1,589
U.S. citizens and permanent residents, total[1]	839	855	939	1,050	1,044	1,016	1,027	1,153	1,188
White, non-Hispanics	720	735	800	867	836	823	827	930	954
Asians/Pacific Islanders	44	52	45	94	93	87	87	85	99
Underrepresented minorities, total	61	56	89	77	99	91	93	106	113
Black, non-Hispanics	40	38	59	46	60	49	55	65	75
Hispanics	16	13	24	25	30	38	32	37	34
American Indians or Alaskan Natives	5	5	6	6	9	4	6	4	4
U.S. citizens and permanent residents, unknown race/ethnicity	14	12	5	12	16	15	20	32	22
Nonresident aliens[2]	171	226	214	230	246	267	273	287	306
Citizenship unknown	31	31	44	16	40	41	122	61	95
	Men								
Total	369	394	408	444	478	456	470	489	524
U.S. citizens and permanent residents, total[1]	252	226	260	328	325	293	287	310	341
White, non-Hispanics	199	177	208	258	234	212	219	235	271
Asians/Pacific Islanders	21	22	22	48	52	47	37	35	36
Underrepresented minorities, total	27	21	26	19	35	30	25	27	25
Black, non-Hispanics	17	14	18	11	18	13	15	14	14
Hispanics	7	4	8	7	15	16	8	12	10
American Indians or Alaskan Natives	3	3	0	1	2	1	2	1	1
U.S. citizens and permanent residents, unknown race/ethnicity	5	6	4	3	4	4	6	13	9
Nonresident aliens[2]	101	158	138	109	140	147	135	156	143
Citizenship unknown	16	10	10	7	13	16	48	23	40
	Women								
Total	668	710	777	843	843	860	936	1,006	1,063
U.S. citizens and permanent residents, total[1]	587	629	679	722	719	723	739	843	847
White, non-Hispanics	521	558	592	609	602	611	608	695	683
Asians/Pacific Islanders	23	30	23	46	41	40	50	50	63
Underrepresented minorities, total	34	35	63	58	64	61	68	79	88
Black, non-Hispanics	23	24	41	35	42	36	40	51	61
Hispanics	9	9	16	18	15	22	24	25	24
American Indians or Alaskan Natives	2	2	6	5	7	3	4	3	3
U.S. citizens and permanent residents, unknown race/ethnicity	9	6	1	9	12	11	13	19	13
Nonresident aliens[2]	70	67	76	115	104	116	138	130	163
Citizenship unknown	11	14	22	6	20	21	59	33	53

[1] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[2] Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Data for 1999 are omitted to be consistent with other tables on bachelor's and master's degrees in this report. Data on doctorates for 1999 are available from Science and Engineering Doctorate Awards: 2000 (NSF-02-305).

Health fields include the medical and other health sciences shown in section C.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS, Survey of Earned Doctorates

Table 36. First-professional degrees awarded, by citizenship, race/ethnicity, and sex of recipient: 1991-2000

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total	72,636	74,801	76,068	76,000	76,457	77,505	79,169	78,945	79,578
U.S. citizens and permanent residents, total[1]	71,550	73,459	74,520	74,563	74,846	75,873	77,515	77,162	77,720
White, non-Hispanics	59,692	59,869	60,338	58,476	58,239	58,179	58,769	57,551	56,708
Asians/Pacific Islanders	3,772	4,757	5,107	5,759	6,277	6,513	7,234	7,547	8,189
Underrepresented minorities, total	6,984	7,334	8,075	8,314	8,877	9,501	9,846	10,001	10,194
Black, non-Hispanics	3,535	3,568	4,078	4,329	4,657	4,905	5,153	5,310	5,292
Hispanics	3,191	3,472	3,632	3,623	3,816	4,143	4,192	4,147	4,361
American Indians or Alaskan Natives	258	294	365	362	404	453	501	544	541
U.S. citizens and permanent residents, unknown race/ethnicity	1,102	1,499	1,000	2,014	1,453	1,680	1,666	2,063	2,629
Nonresident aliens[2]	1,086	1,342	1,548	1,437	1,611	1,632	1,654	1,783	1,858
	Men								
Total	44,226	45,459	45,565	45,068	45,193	45,182	45,747	45,033	43,976
U.S. citizens and permanent residents, total[1]	43,464	44,511	44,462	44,053	44,112	44,064	44,619	43,886	42,800
White, non-Hispanics	36,926	37,089	36,896	35,526	35,409	34,972	35,077	34,007	32,324
Asians/Pacific Islanders	2,171	2,728	2,831	3,139	3,423	3,483	3,887	3,903	4,185
Underrepresented minorities, total	3,663	3,831	4,122	4,155	4,388	4,589	4,679	4,762	4,819
Black, non-Hispanics	1,653	1,620	1,777	1,851	2,036	2,058	2,139	2,229	2,210
Hispanics	1,868	2,054	2,156	2,088	2,134	2,281	2,258	2,251	2,335
American Indians or Alaskan Natives	142	157	189	216	218	250	282	282	274
U.S. citizens and permanent residents, unknown race/ethnicity	704	863	613	1,233	892	1,020	976	1,214	1,472
Nonresident aliens[2]	762	948	1,103	1,015	1,081	1,118	1,128	1,147	1,176
	Women								
Total	28,410	29,342	30,503	30,932	31,264	32,323	33,422	33,912	35,602
U.S. citizens and permanent residents, total[1]	28,086	28,948	30,058	30,510	30,734	31,809	32,896	33,276	34,920
White, non-Hispanics	22,766	22,780	23,442	22,950	22,830	23,207	23,692	23,544	24,384
Asians/Pacific Islanders	1,601	2,029	2,276	2,620	2,854	3,030	3,347	3,644	4,004
Underrepresented minorities, total	3,321	3,503	3,953	4,159	4,489	4,912	5,167	5,239	5,375
Black, non-Hispanics	1,882	1,948	2,301	2,478	2,621	2,847	3,014	3,081	3,082
Hispanics	1,323	1,418	1,476	1,535	1,682	1,862	1,934	1,896	2,026
American Indians or Alaskan Natives	116	137	176	146	186	203	219	262	267
U.S. citizens and permanent residents, unknown race/ethnicity	398	636	387	781	561	660	690	849	1,157
Nonresident aliens[2]	324	394	445	422	530	514	526	636	682

[1] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[2] Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

First-professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of pre-professional training. First-professional degrees include: Chiropractic, Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Podiatry, Veterinary Medicine, Law, Divinity/Ministry, and Rabbinical and Talmudic Studies.

SOURCE: Ta'ulated by National Science Foundation/Division of Science Resources Statistics, data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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Table 37. First-professional degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1991-2000

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total	28,183	28,303	29,475	29,680	30,757	31,250	32,114	33,566	35,772
U.S. citizens and permanent residents, total[1]	27,677	27,600	28,693	28,861	29,867	30,329	31,226	32,536	34,829
White, non-Hispanics	21,958	21,333	22,076	21,730	22,242	22,314	23,187	23,351	24,367
Asians/Pacific Islanders	2,472	2,909	3,317	3,637	3,996	4,075	4,127	4,901	5,627
Underrepresented minorities, total	2,777	2,840	2,915	3,000	3,110	3,412	3,469	3,714	3,973
Black, non-Hispanics	1,285	1,288	1,350	1,437	1,525	1,646	1,800	1,859	1,998
Hispanics	1,381	1,417	1,426	1,432	1,461	1,600	1,472	1,646	1,754
American Indians or Alaskan Natives	111	135	139	131	124	166	197	209	221
U.S. citizens and permanent residents, unknown race/ethnicity	470	518	385	494	519	528	443	570	862
Nonresident aliens[2]	506	703	782	819	890	921	888	1,030	943
	Men								
Total	17,777	17,694	17,704	17,565	17,975	17,927	18,308	18,784	19,260
U.S. citizens and permanent residents, total[1]	17,449	17,220	17,194	17,034	17,424	17,335	17,719	18,164	18,728
White, non-Hispanics	14,207	13,607	13,608	13,243	13,352	13,215	13,702	13,548	13,543
Asians/Pacific Islanders	1,440	1,718	1,859	1,972	2,190	2,217	2,198	2,525	2,867
Underrepresented minorities, total	1,479	1,587	1,490	1,504	1,572	1,589	1,583	1,765	1,848
Black, non-Hispanics	573	604	556	582	649	621	672	735	772
Hispanics	841	907	858	840	858	874	790	916	962
American Indians or Alaskan Natives	65	76	76	82	65	94	121	114	114
U.S. citizens and permanent residents, unknown race/ethnicity	323	308	237	315	310	314	236	326	470
Nonresident aliens[2]	328	474	510	531	551	592	589	620	532
	Women								
Total	10,406	10,609	11,771	12,115	12,782	13,323	13,806	14,782	16,512
U.S. citizens and permanent residents, total[1]	10,228	10,380	11,499	11,827	12,443	12,994	13,507	14,372	16,101
White, non-Hispanics	7,751	7,726	8,468	8,487	8,890	9,099	9,485	9,803	10,824
Asians/Pacific Islanders	1,032	1,191	1,458	1,665	1,806	1,858	1,929	2,376	2,760
Underrepresented minorities, total	1,298	1,253	1,425	1,496	1,538	1,823	1,886	1,949	2,125
Black, non-Hispanics	712	684	794	855	876	1,025	1,128	1,124	1,226
Hispanics	540	510	568	592	603	726	682	730	792
American Indians or Alaskan Natives	46	59	63	49	59	72	76	95	107
U.S. citizens and permanent residents, unknown race/ethnicity	147	210	148	179	209	214	207	244	392
Nonresident aliens[2]	178	229	272	288	339	329	299	410	411

[1] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[2] Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

First-professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of pre-professional training.

Health fields include: Chiropractic, Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Podiatry, and Veterinary Medicine.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics' Integrated Postsecondary Education Data System Completions Survey.

Table 38. First-professional degrees awarded in non-health fields, by citizenship, race/ethnicity, and sex of recipient: 1991-2000

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total	44,453	46,498	46,593	46,320	45,700	46,255	47,055	45,379	43,806
U.S. citizens and permanent residents, total[1]	43,873	45,859	45,827	45,702	44,979	45,544	46,289	44,626	42,891
White, non-Hispanics	37,734	38,536	38,262	36,746	35,997	35,865	35,582	34,200	32,341
Asians/Pacific Islanders	1,300	1,848	1,790	2,122	2,281	2,438	3,107	2,646	2,562
Underrepresented minorities, total	4,207	4,494	5,160	5,314	5,767	6,089	6,377	6,287	6,221
Black, non-Hispanics	2,250	2,280	2,728	2,892	3,132	3,259	3,353	3,451	3,294
Hispanics	1,810	2,055	2,206	2,191	2,355	2,543	2,720	2,501	2,607
American Indians or Alaskan Natives	147	159	226	231	280	287	304	335	320
U.S. citizens and permanent residents, unknown race/ethnicity	632	981	615	1,520	934	1,152	1,223	1,493	1,767
Nonresident aliens[2]	580	639	766	618	721	711	766	753	915
	Men								
Total	26,449	27,765	27,861	27,503	27,218	27,255	27,439	26,249	24,716
U.S. citizens and permanent residents, total[1]	26,015	27,291	27,268	27,019	26,688	26,729	26,900	25,722	24,072
White, non-Hispanics	22,719	23,482	23,288	22,283	22,057	21,757	21,375	20,459	18,781
Asians/Pacific Islanders	731	1,010	972	1,167	1,233	1,266	1,689	1,378	1,318
Underrepresented minorities, total	2,184	2,244	2,632	2,651	2,816	3,000	3,096	2,997	2,971
Black, non-Hispanics	1,080	1,016	1,221	1,269	1,387	1,437	1,467	1,494	1,438
Hispanics	1,027	1,147	1,298	1,248	1,276	1,407	1,468	1,335	1,373
American Indians or Alaskan Natives	77	81	113	134	153	156	161	168	160
U.S. citizens and permanent residents, unknown race/ethnicity	381	555	376	918	582	706	740	888	1,002
Nonresident aliens[2]	434	474	593	484	530	526	539	527	644
	Women								
Total	18,004	18,733	18,732	18,817	18,482	19,000	19,616	19,130	19,090
U.S. citizens and permanent residents, total[1]	17,858	18,568	18,559	18,683	18,291	18,815	19,389	18,904	18,819
White, non-Hispanics	15,015	15,054	14,974	14,463	13,940	14,108	14,207	13,741	13,560
Asians/Pacific Islanders	569	838	818	955	1,048	1,172	1,418	1,268	1,244
Underrepresented minorities, total	2,023	2,250	2,528	2,663	2,951	3,089	3,281	3,290	3,250
Black, non-Hispanics	1,170	1,264	1,507	1,623	1,745	1,822	1,886	1,957	1,856
Hispanics	783	908	908	943	1,079	1,136	1,252	1,166	1,234
American Indians or Alaskan Natives	70	78	113	97	127	131	143	167	160
U.S. citizens and permanent residents, unknown race/ethnicity	251	426	239	602	352	446	483	605	765
Nonresident aliens[2]	146	165	173	134	191	185	227	226	271

[1] Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

[2] Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

First-professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of pre-professional training.

Non-health fields include: Law, Divinity/Ministry, and Rabbinical and Talmudic Studies.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics, data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey

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SECTION C.

CLASSIFICATION OF PROGRAMS

Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS *Classification of Instructional Programs*	Fields of study from the Survey of Earned Doctorates classification
ENGINEERING	**ENGINEERING**
Aeronautical/Astronautical Engineering	**Aeronautical/Astronautical Engineering**
14.02 Aerospace, Aeronautical, and Astronautical Engineering	300 Aerospace, Aeronautical, and Astronautical Engineering
Chemical Engineering	**Chemical Engineering**
14.07 Chemical Engineering	312 Chemical Engineering
14.25 Petroleum Engineering	366 Petroleum Engineering
14.32 Polymer/Plastics Engineering	369 Polymer and Plastics Engineering
	547 Fuel Technology and Petroleum Engineering
Civil Engineering	**Civil Engineering**
14.04 Architectural Engineering	315 Civil Engineering
14.08 Civil Engineering	336 Environmental Health Engineering
14.14 Environmental/Environmental Health Engineering	
Electrical Engineering	**Electrical Engineering**
14.09 Computer Engineering	318 Communications Engineering
14.10 Electrical, Electronics, and Communications Engineering	321 Computer Engineering
	322 Electrical Engineering
	323 Electronics Engineering
	324 Electrical and Electronics Engineering
Industrial Engineering	**Industrial Engineering**
14.17 Industrial/Manufacturing Engineering	339 Industrial and Manufacturing Engineering
14.30 Engineering/Industrial Management	
Mechanical Engineering	**Mechanical Engineering**
14.11 Engineering Mechanics	327 Engineering Mechanics
14.19 Mechanical Engineering	345 Mechanical Engineering
Materials/Metallurgical Engineering	**Materials/Metallurgical Engineering**
14.06 Ceramic Sciences and Engineering	309 Ceramic Sciences
14.18 Materials Engineering	342 Materials Science
14.20 Metallurgical Engineering	348 Metallurgical Engineering
14.31 Materials Science	
40.0701 Metallurgy	
Other Engineering	**Other Engineering**
14.01 Engineering, General	303 Agricultural Engineering
14.03 Agricultural Engineering	306 Bioengineering and Biomedical Engineering
14.05 Bioengineering and Biomedical Engineering	330 Engineering Physics
14.12 Engineering Physics	333 Engineering Science
14.13 Engineering Science	351 Mining and Mineral Engineering
14.15 Geological Engineering	354 Naval Architecture and Marine Engineering
14.16 Geophysical Engineering	357 Nuclear Engineering
14.21 Mining and Mineral Engineering	360 Ocean Engineering
14.22 Naval Architecture and Marine Engineering	363 Operations Research
14.23 Nuclear Engineering	372 Systems Engineering
14.24 Ocean Engineering	375 Textile Engineering

Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS *Classification of Instructional Programs*	Fields of study from the Survey of Earned Doctorates classification
14.27 Systems Engineering	398 Engineering, General
14.28 Textile Sciences and Engineering	399 Engineering, Other
14.29 Engineering Design	
14.99 Engineering, Other	
45.0702 Cartography	
PHYSICAL SCIENCES	**PHYSICAL SCIENCES**
Astronomy	**Astronomy**
40.02 Astronomy	500 Astronomy
40.03 Astrophysics	505 Astrophysics
	506 Astronomy and Astrophysics
Chemistry	**Chemistry**
40.0501 Chemistry, General	520 Analytical Chemistry
40.0502 Analytical Chemistry	521 Agricultural and Food Chemistry
40.0503 Inorganic Chemistry	522 Inorganic Chemistry
40.0504 Organic Chemistry	524 Nuclear Chemistry
40.0505 Medicinal/Pharmaceutical Chemistry	526 Organic Chemistry
40.0506 Physical and Theoretical Chemistry	528 Pharmaceutical Chemistry
40.0507 Polymer Chemistry	530 Physical Chemistry
40.0599 Chemistry, Other	532 Polymer Chemistry
	534 Theoretical Chemistry
	538 Chemistry, General
	539 Chemistry, Other
Physics	**Physics**
40.0801 Physics, General	560 Acoustics
40.0802 Chemical and Atomic/Molecular Physics	561 Chemical and Atomic/Molecular Physics
40.0804 Elementary Particle Physics	562 Electron Physics
40.0805 Plasma and High-Temperature Physics	563 Electromagnetic Physics
40.0806 Nuclear Physics	564 Elementary Particle Physics
40.0807 Optics	566 Fluids
40.0808 Solid State and Low-Temperature Physics	567 Mechanics
40.0809 Acoustics	568 Nuclear Physics
40.0810 Theoretical and Mathematical Physics	569 Optics
40.0899 Physics, Other	570 Plasma and High-Temperature Physics
	572 Polymer Physics
	573 Thermal Physics
	574 Solid State and Low-Temperature Physics
	575 Theoretical Physics
	578 Physics, General
	579 Physics, Other
Other Physical Sciences	**Other Physical Sciences**
40.01 Physical Sciences, General	599 Physical Sciences, Other
40.0799 Miscellaneous Physical Sciences, Other	
40.99 Physical Sciences, Other	

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Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS *Classification of Instructional Programs*	Fields of study from the Survey of Earned Doctorates classification
EARTH, ATMOSPHERIC, AND OCEAN SCIENCES	**EARTH, ATMOSPHERIC, AND OCEAN SCIENCES**
Atmospheric Sciences	**Atmospheric Sciences**
40.04 Atmospheric Sciences and Meteorology	510 Atmospheric Physics and Chemistry
	512 Atmospheric Dynamics
	514 Meteorology
	518 Atmospheric Science/Meteorology, General
	519 Atmospheric Science/Meteorology, Other
Geosciences	**Geosciences**
40.0601 Geology	540 Geology
40.0602 Geochemistry	542 Geochemistry
40.0603 Geophysics and Seismology	544 Geophysics and Seismology
40.0604 Paleontology	545 Geophysics (Solid Earth)
40.0699 Geological and Related Sciences, Other	546 Paleontology
40.0703 Earth and Planetary Sciences	548 Mineralogy and Petrology
	549 Mineralogy, Petrology, and Geochemistry
	550 Stratigraphy and Sedimentation
	552 Geomorphology and Glacial Geology
	554 Applied Geology
	555 Applied Geology and Geological Engineering
	558 Geological and Related Sciences, General
	559 Geological and Related Sciences, Other
	585 Hydrology and Water Resources
Oceanography	**Oceanography**
40.0702 Oceanography	590 Oceanography
	595 Marine Sciences
	Other Environmental Sciences
	580 Environmental Science
MATHEMATICAL/COMPUTER SCIENCES	**MATHEMATICAL/COMPUTER SCIENCES**
Mathematics	**Mathematics**
27.01 Mathematics, General	420 Applied Mathematics
27.03 Applied Mathematics	425 Algebra
27.05 Mathematical Statistics	430 Analysis and Functional Analysis
27.99 Mathematics, Other	435 Geometry
52.0802 Actuarial Science	440 Logic
52.1302 Business Statistics	445 Number Theory
	450 Mathematical Statistics
	455 Topology
	460 Computing Theory and Practice
	465 Operations Research
	498 Mathematics, General
	499 Mathematics, Other
Computer Science	**Computer Science**
11.01 Computer and Information Sciences, General	400 Computer Science
11.02 Computer Programming	410 Information Science and Systems

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Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS *Classification of Instructional Programs*	Fields of study from the Survey of Earned Doctorates classification
11.03 Data Processing Technology/Technician	
11.04 Information Sciences and Systems	
11.05 Computer Systems Analysis	
11.0701 Computer Science	
11.99 Computer and Information Sciences, Other	
52.1204 Business Systems Networking and Telecommunications	
BIOLOGICAL/AGRICULTURAL SCIENCES	**BIOLOGICAL/AGRICULTURAL SCIENCES**
Agricultural Sciences	**Agricultural Sciences**
02.01 Agriculture/Agricultural Sciences, General	005 Animal Breeding and Genetics
02.02 Animal Sciences	007 Animal Husbandry
02.03 Food Sciences and Technology	010 Animal Nutrition
02.04 Plant Sciences	012 Dairy Science
02.05 Soil Sciences	014 Poultry Science
02.99 Agriculture/Agricultural Sciences, Other	019 Animal Sciences, Other
03.01 Natural Resources Conservation	020 Agronomy and Crop Science
03.02 Natural Resources Management and Protective Services	025 Plant Breeding and Genetics
03.03 Fishing and Fisheries Sciences and Management	030 Plant Pathology
03.05 Forestry and Related Sciences	032 Plant Protection/Pest Management
03.06 Wildlife and Wildlands Management	039 Plant Sciences, Other
03.99 Conservation and Renewable Natural Resources, Other	040 Food Sciences
	042 Food Distribution
	043 Food Engineering
	044 Food Sciences, Other
	045 Soil Sciences
	046 Soil Chemistry and Microbiology
	049 Soil Sciences, Other
	050 Horticulture Science
	054 Fish and Wildlife
	055 Fisheries Science and Management
	060 Wildlife Management
	065 Forestry Sciences
	066 Forest Biology
	068 Forest Engineering
	070 Forest Management
	072 Wood Science and Pulp/Paper Technology
	074 Conservation and Renewable Natural Resources
	079 Forestry and Related Sciences
	080 Wildlife and Range Management
	098 Agricultural Science, General
	099 Agricultural Science, Other

Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS *Classification of Instructional Programs*	Fields of study from the Survey of Earned Doctorates classification
Biological Sciences	**Biological Sciences**
19.0505 Food Systems Administration	100 Biochemistry
26.01 Biology, General	103 Biomedical Sciences
26.02 Biochemistry and Biophysics	105 Biophysics
26.03 Botany	107 Biotechnology Research
26.04 Cell and Molecular Biology	110 Bacteriology
26.05 Microbiology/Bacteriology	115 Plant Genetics
26.0601 Anatomy	120 Plant Pathology
26.0603 Ecology	125 Plant Physiology
26.0607 Marine/Aquatic Biology	129 Botany, Other
26.0608 Neurosciences	130 Anatomy
26.0609 Nutritional Sciences	133 Biometrics and Biostatistics
26.0610 Parasitology	136 Cell Biology
26.0611 Radiation Biology/Radiobiology	139 Ecology
26.0612 Toxicology	140 Hydrobiology
26.0613 Genetics, Plant and Animal	142 Embryology
26.0614 Biometrics	145 Endocrinology
26.0615 Biostatistics	148 Entomology
26.0616 Biotechnology Research	151 Biological Immunology
26.0617 Evolutionary Biology	154 Molecular Biology
26.0618 Biological Immunology	156 Microbiology and Bacteriology
26.0619 Virology	157 Microbiology
26.0699 Miscellaneous Biological Specializations, Other	160 Neuroscience
26.07 Zoology	163 Nutritional Sciences
26.99 Biological Sciences/Life Sciences, Other	166 Parasitology
30.10 Biopsychology	169 Toxicology
51.1303 Medical Biomathematics and Biometrics	170 Genetics, Human and Animal
51.1304 Medical Physics/Biophysics	171 Genetics
51.1305 Medical Cell Biology	175 Pathology, Human and Animal
51.1306 Medical Genetics	180 Pharmacology, Human and Animal
51.1309 Medical Molecular Biology	185 Physiology, Human and Animal
51.1310 Medical Neurobiology	186 Animal and Plant Physiology
51.1311 Medical Nutrition	189 Zoology, Other
	198 Biological Sciences, General
	199 Biological Sciences, Other

Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS *Classification of Instructional Programs*	Fields of study from the Survey of Earned Doctorates classification
PSYCHOLOGY	**PSYCHOLOGY**
42.01 Psychology, General	600 Clinical Psychology
42.02 Clinical Psychology	603 Cognitive Psychology and Psycholinguistics
42.03 Cognitive Psychology and Psycholinguistics	606 Comparative Psychology
42.04 Community Psychology	609 Counseling Psychology
42.06 Counseling Psychology	612 Developmental and Child Psychology
42.07 Developmental and Child Psychology	613 Human Indiv. & Family Development
42.08 Experimental Psychology	615 Experimental Psychology
42.09 Industrial and Organizational Psychology	616 Experimental, Comparative, and Physiological Psychology
42.11 Physiological Psychology/Psychobiology	618 Educational Psychology
42.16 Social Psychology	619 Human Engineering
42.99 Psychology, Other	620 Family and Marriage Counseling
51.2303 Hypnotherapy	621 Industrial and Organizational Psychology
51.2705 Psychoanalysis	624 Personality Psychology
	627 Physiological Psychology/Psychobiology
	630 Psychometrics
	633 Quantitative Psychology
	636 School Psychology
	639 Social Psychology
	648 Psychology, General
	649 Psychology, Other
	672 Human, Individual, and Family Development
SOCIAL SCIENCES	**SOCIAL SCIENCES**
Economics	**Economics**
01.0103 Agricultural Economics	000 Agricultural Economics
45.06 Economics	666 Economics
	668 Econometrics
Political Science	**Political Science**
44.04 Public Administration	674 International Relations/Affairs
44.05 Public Policy Analysis	678 Political Science and Government
44.99 Public Administration and Services, Other	679 Political Science and Public Administration
45.09 International Relations and Affairs	682 Public Policy Analysis
45.10 Political Science and Government	976 Public Administration
Sociology	**Sociology**
45.05 Demography and Population Studies	662 Demography and Population Studies
45.11 Sociology	686 Sociology

Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS *Classification of Instructional Programs*		Fields of study from the Survey of Earned Doctorates classification	
Other Social Sciences		**Other Social Sciences**	
05	Area, Ethnic, and Cultural Studies	650	Anthropology
16.0102	Linguistics	652	Area Studies
30.1101	Gerontology	658	Criminology
30.1501	Science, Technology, and Society	670	Geography
45.01	Social Sciences, General	690	Statistics
45.02	Anthropology	694	Urban Affairs/Studies
45.03	Archeology	698	Social Sciences, General
45.04	Criminology	699	Social Sciences, Other
45.07	Geography	710	History and Philosophy of Science and Technology
45.0804	History and Philosophy of Science and Technology	729	Linguistics
45.12	Urban Affairs/Studies	770	American Studies
45.99	Social Sciences and History, Other	773	Archeology
	NON-S&E		**NON-S&E**
01	Agricultural Business and Production	**MEDICAL SCIENCES**	
04	Architecture and Related Programs	205	Dentistry
08	Marketing Operations/Marketing and Distribution	210	Environmental Health
09	Communications	215	Public Health
10	Communications Technologies	219	Public Health and Epidemiology
12	Personal and Miscellaneous Services	220	Epidemiology
13	Education	225	Medicine and Surgery
15	Engineering-Related Technologies	235	Optometry and Ophthalmology
16	Foreign Languages and Literatures	240	Pharmacy
17	Allied Health	250	Veterinary Science
18	Health Professions and Related Sciences (Including Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Podiatry or Podiatric Medicine or Chiropody, Veterinary Medicine, Chiropractic, Allied Health)	**OTHER HEALTH SCIENCES**	
		200	Speech/Language Pathology and Audiology
		212	Health Systems/Services Administration
		224	Hospital Administration
19	Home Economics	230	Nursing
20	Vocational Home Economics	245	Rehabilitation/Therapeutic Services

Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS *Classification of Instructional Programs*	
22	Law and Legal Studies
23	English Language and Literature/Letters
24	Liberal/General Studies
25	Library and Archival Sciences
28	Reserve Officer Training Corps (ROTC)
29	Military Technologies
30	Multi-/Interdisciplinary Studies
31	Parks, Recreation, Leisure, and Fitness Studies
38	Philosophy and Religion
39	Theological Studies and Religious Vocations
41	Science Technologies
43	Protective Services
44	Public Administration and Services (Does not include Parks and Recreation Management, and Law Enforcement and Correction)
46	Construction Trades
47	Mechanics and Repairers
48	Precision Production Trades
49	Transportation and Materials Moving Workers
50	Visual and Performing Arts
52	Business Management and Administrative Services

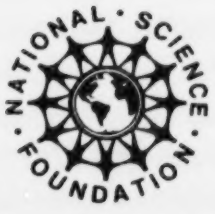
Fields of study from the Survey of Earned Doctorates classification	
298	Health Sciences, General
299	Health Sciences, Other
HISTORY	
700	History, American
705	History, European
718	History, General
719	History, Other
ENGLISH AND LITERATURE	
720	Classics
723	Comparative Literature
725	English and American Literature
732	Literature, American
733	Literature, English
734	English Language
736	Speech and Rhetorical Studies
738	Letters, General
739	Letters, Other
FOREIGN LANGUAGES	
740	French
743	German
746	Italian
749	Spanish
752	Russian
755	Slavic (Other than Russian)
758	Chinese
762	Japanese
765	Hebrew
768	Arabic
769	Other Languages and Literature
OTHER HUMANITIES	
785	Philosophy (See also 440)
798	Humanities, General
799	Humanities, Other
RELIGION AND THEOLOGY	
790	Religion (See also 984)
791	Religion and Theology
984	Theology/Religious Education (See also 790)
825	School Psychology (See also 636)
830	Social/Philosophical Foundations of Education
835	Special Education
840	Counseling Education/ Counseling and Guidance Services
845	Education Evaluation and Research
850	Pre-elementary/Early Childhood Teacher Education
852	Elementary Teacher Education

Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS *Classification of Instructional Programs*	Fields of study from the Survey of Earned Doctorates classification
	854 Junior High Teacher Education
	856 Secondary Teacher Education
	858 Adult and Continuing Teacher Education
	861 Art Education
	862 Business Education
	864 English Education
	866 Foreign Languages Education
	867 Physical Education, Health, and Recreation
	870 Home Economics Education
	876 Music Education
	880 Physical Education and Coaching
	882 Reading Education
	886 Speech Education
	888 Trade and Industrial Education
	889 Teacher Education, Specific Academic and Vocational Programs, Other
	898 Education, General
	899 Education, Other
	BUSINESS AND MANAGEMENT
	002 Agricultural Business and Management
	900 Accounting
	905 Banking/Financial Support Services
	910 Business Administration and Management
	915 Business/Managerial Economics
	917 Management Information Systems/Business Data Processing
	920 Marketing Management and Research
	925 Business Statistics
	930 Operations Research (See also 363, 465)
	935 Organizational Behavior (See also 621)
	938 Business Management/ Administrative Services, General
	939 Business Management/ Administrative Services, Other
	INFORMATION FIELDS (JOURNALISM, BROADCASTING, LIBRARIANSHIP)
	940 Communications Research
	945 Journalism
	947 Mass Communications
	950 Radio and Television
	957 Communication Theory
	958 Communications, General
	959 Communications, Other
	972 Library Science
	LAW
	968 Law
	SOCIAL SERVICE PROFESSIONS
	980 Social Service Professions

Current Classification Schemes for the Integrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS *Classification of Instructional Programs*	Fields of study from the Survey of Earned Doctorates classification
	VOCATIONAL STUDIES AND HOME ECONOMICS
	964 Home Economics
	OTHER NON-SCIENCE FIELDS
	974 Parks/Recreation/Leisure/Fitness
	988 Professional Fields, General
	989 Professional Fields, Other
	999 Other Fields



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